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Pulsed river flooding effects on sediment deposition in Breton Sound estuary, Louisiana

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PULSED RIVER FLOODING EFFECTS ON SEDIMENT DEPOSITION IN BRETON SOUND ESTUARY, LOUISIANA

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Mostly, I would like to acknowledge the extreme beauty and importance of Louisiana's deltaic wetlands. My field work in the Breton Sound estuary has strengthened my resolve to continue protecting such vital ecosystems and will remain fondly in my memories. Of course, this experience would not have been possible without generous funding from the Environmental Protection Agency, the LA Department of Natural Resources, and the Natural Resource Conservation Service and I thank them for their support. My gratitude and appreciation go out Delacroix Corporation whose generosity has no boundaries. Thanks for letting us use your camp and your land, caring for our safety, and your commitment to coastal restoration. Thanks to my major professor Dr. Jaye Cable for being patient, and facilitating my exposure to so many facets of coastal oceanography. I would like to thank my committee members for their guidance. Dr. Sam Bentley helped me make sense of radiochemistry and Dr. Brian Marx provided vital statistical guidance. I could not have asked for a better person to have done my fieldwork with than Gregg Snedden. He was an invaluable mentor, airboat driver, mechanic, extra hand, and friend throughout my time at LSU. I have to thank my student workers who tirelessly counted and recounted thousands of filter papers: Gustavo Douaihi, and Charles Ruelet. Thanks also the Henri Delauney for his help in the field. Last but not least, thanks and love to my friends and family. Brad's support of my career goals has been selfless and essential to my success. This thesis is a result of my parent's endless encouragement to be curiosity, be educated and have fun!

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ABSTRACT

Louisiana's deltaic coast is a dynamic sedimentary environment made vulnerable by Mississippi River channelization, which restricts freshwater, sediment, and nutrient inputs to adjacent estuaries. Freshwater diversions now reconnect some estuaries with historic fluvial sources, like Breton Sound basin, which receives Mississippi River suspended loads through the Caernarvon freshwater diversion. The project objectives were to quantify short-term sediment accumulation using sediment traps, evaluate sediment trap effectiveness, and compare long-term deposition using feldspar horizon markers and ^{210}Pb dating to the annual sediment trap deposition.

Magnitude and variations of sediment deposition at 14 sites were compared during an 18-month study in the upper 415 km^2 of Breton Sound estuary, Louisiana. Short-term dry deposition over sediment traps (t=15d) varied for hydrologic pulsing regimes, averaging 3.143 g/m^2/d during non-pulsing periods (<183m^3/s) and 4.740 g/m^2/d during pulsing periods (≥183m^3/s). Deposition was greatest near the diversion and decreased with increasing distance from the diversion. Exterior marsh sites (n=5) received more total and allochthonous sediment than interior marsh sites (n=9). Fluvial pulses are significant sediment delivery mechanisms for interior marshes within close proximity (<6km) to the diversion. Exterior marsh deposition is influenced by both fluvial pulsing and resuspension events. Annual deposition over feldspar markers was highly variable but averaged 3.4 cm/yr. In contrast, long-term deposition measured using ^{210}Pb and ^{137}Cs geochronology revealed sedimentation rates within the last 75 years of about 0.12 cm/yr. Near vertical Pb and Cs activities occur within a distinct clay layer attributed to the 1927 flood, where ^{210}Pb dating confirms its origin as *circa* 1927.

Ephemeral short-term sediment deposition is driven by overland flow and highly variable due to prevailing winds and tides. Long-term deposition includes cumulative effects of internal sediment processes, such as compaction and organic matter decomposition, and is more representative of actual accretion rates (i.e., land-building). Estuarine sediment budgets indicate land-building processes are 66% deficient relative to the combined effects of sea level rise, subsidence, and erosion. A critical issue for managing coastal marshes and addressing land loss is elucidated here. Management efforts may be best directed at optimizing estuarine sediment loading based on peaks in river sediment discharge.

INTRODUCTION AND SIGNIFICANCE

Coastal wetlands are recognized today as economically vital ecosystems throughout the globe due to the storm abatement, fisheries, mineral exploration, and recreation they provide. Global wetland areas currently range from 5 to 8 x 10^6 km^2, where the uncertainty is due primarily to differences in wetland definition (Turner and Maltby 1983; Matthews and Fung 1987). In the United States alone, wetland areas have decreased from 900,000 km^2 to 417,000 km^2 over the 350 yrs since the Europeans settled North America (USGS 1989). Colonization, port development, agriculture, and disease control were the primary reasons for wetland loss historically. Today, human influence, global sea level rise (GSLR), local subsidence, and sediment compaction all contribute to the decline of the world's deltaic wetlands.

Deltas experience 3 basic phases: 1) rapid growth due to efficient hydrology, high sediment transport and deposition, and biogeochemical cycling, 2) ecosystem stabilization and maximum productivity, and 3) a deterioration phase due to inefficient hydrology and eventual sediment and nutrient starvation (Fig. 1; Roberts 1997). Increasing coastal development and rising populations stress ecosystems such as deltaic wetlands and may expedite the natural deltaic life cycle by enhancing relative sea level rise (RSLR). Coastal communities harness major rivers to ease navigation, control flooding, and siphon water for industry, agriculture and potable supplies upriver.

Many low-lying (<1.5 m above sea level) coastal wetlands are in jeopardy because of GSLR. Global warming causes thermal expansion of the oceans and melting of polar ice caps, both of which increase sea level. Conservative estimates of GSLR average 1.8 mm/yr (NASA 2001), but upper limits currently average 2.5 to 3.0 mm/yr (EPA 2001). If current

climatic trends continue, GSLR is expected to increase rapidly in the next 100 years. In addition, relative sea level rise (RSLR), which includes the effects of GSLR, accelerates coastal wetland loss through factors such as sediment compaction and land subsidence.

Another process that enhances delta deterioration is shallow subsidence due to sediment compaction. Subsidence rates increased in the Yangtze River Delta from 3 to 4 mm/yr in the 1970s and 1980s to about 10 mm/yr in the late 1990's mostly due to urbanization and groundwater extraction (Xiqing 1998). The coastal regions of the Ebro Delta in Spain have average subsidence rates of 3 mm/yr (Sanchez-Arcilla et al. 1998). The Po Delta in Italy has undergone human-induced subsidence rates due to heavy irrigation and land drainage averaging 2 meters over the last 30 years - equivalent to about 67 mm/yr (Cencini 1998). The Nile River is 150 years into a destruction phase, and deltaic land loss is being expedited by heavy water demands upriver resulting in subsidence rates greater than 4 mm/yr in the northern delta (Stanley and Warne 1998). The Mississippi River Bird's Foot

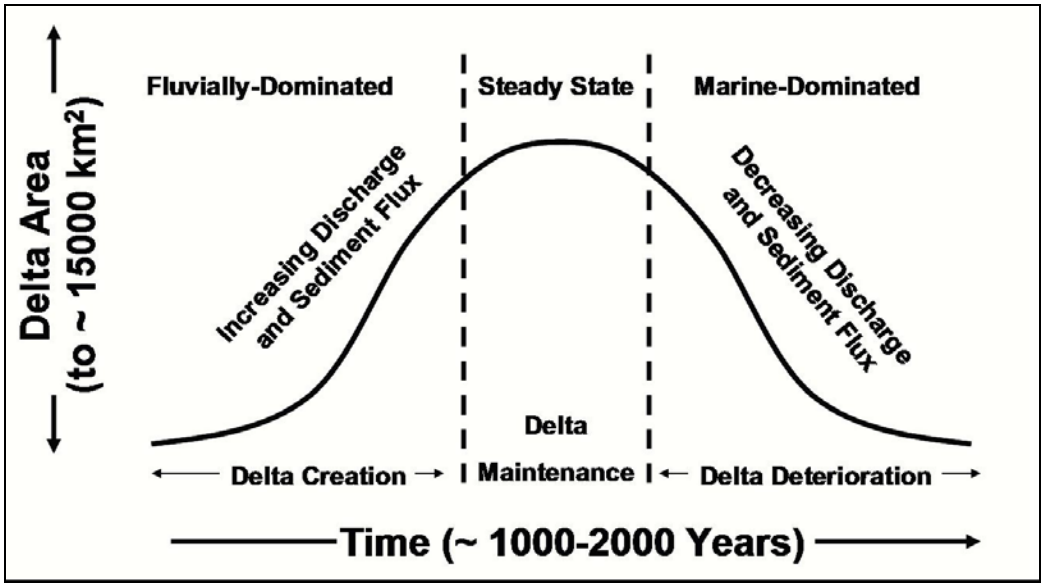

Figure 1: A conceptual model of the delta cycle shows the Mississippi River Belize Delta is currently in a deterioration phase (modified from Roberts 1997).

Delta in the United States, also in a destruction phase and under extreme human influences, subsides at rates greater than 10 mm/yr along the coast – 3 to 5 times faster than GSLR (Nyman et al. 1990; Table 1) and 0.5 to 0.6 mm/yr further inland (Törnqvist et al. 2002).

Many unchannelized wetland deltas naturally experience annual riverine flood cycles that deliver sediment useful in combating sea level rise (Fig. 2). Annual flooding results from precipitation and runoff into the river upstream, which increases suspended sediment loads in the river due to bed and bank erosion, and increased flow competence. The river may eventually exceed its carrying capacity downstream and overbank. Overbanking river waters flood surrounding wetlands and allow nutrient-rich mineral sediments to deposit on the marsh surface and build elevations. As the flooding ebbs, large quantities of detrital matter are exported from the marsh surface to be consumed and stimulate aquatic primary production. Thus, riverine flooding events with discrete intensities and durations, or river pulses, into subsiding wetlands are essential to sustaining elevations and productivity. Heavily modified river systems, like the Mississippi River delta, have containment levees that cut-off communication between the river and the floodplain (Fig. 2). Diversion of freshwater through control structures from the river to the wetlands is now used to mimic natural seasonal flooding. The 'pulsing paradigm' expresses the idea that medium frequency seasonal flooding achieves the highest level of productivity within an estuary (Fig. 3; Odum 1995). Odum contends irregular fluctuations of flood productivity followed by relaxed

Table 1: A comparison of subsidence rates shows the variability among the world's deltas and serves as a proxy for anthropogenic influences in these fragile ecosystems.

Location	**Subsidence rate (mm/yr)**	**Citation**
Yangtze River Delta, China	10	Xiqing 1998
Ebro River Delta, Spain	3	Sanchez-Arcilla et al. 1998
Po River Delta, Italy	67	Cencini 1998
Nile River Delta, Egypt	4	Stanley and Warne 1998
Mississippi River Delta, USA	10	Nyman et al. 1990

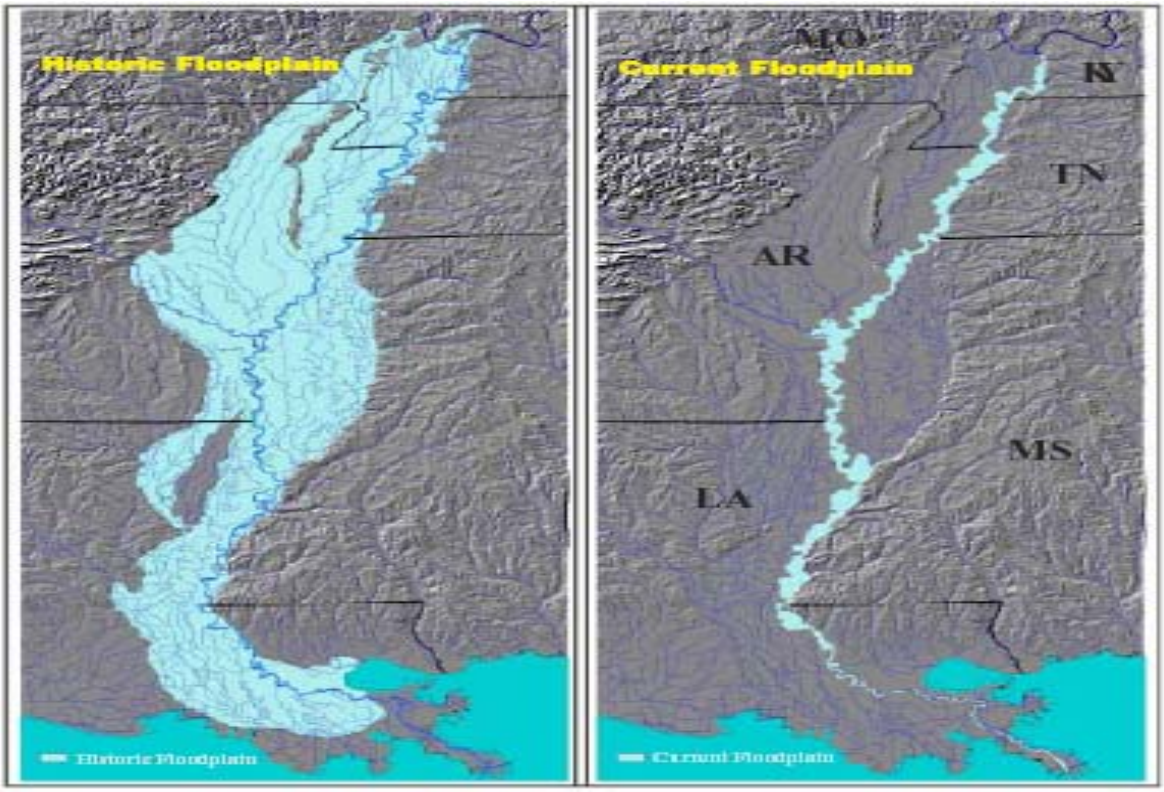

Figure 2: Loss of floodplain connectivity due to containment levees (from LMRCC 2001). The extent of the Mississippi River floodplain (lightly shaded) prior to containment levees (right) is much greater than the modern floodplain (left).

periods of detrital consumption should be considered steady state for natural wetlands. Wetlands are capable of absorbing and dissipating high-energy physical pulses more efficiently than man-made structures (i.e. levees and damns). However, the key to low frequency pulsing is delivery of excess energy to the system that organisms can resist and absorb. High energy pulses can pass through the system rapidly and may be destructive. Further, the energy delivered by prolonged and predictable riverine pulsing, as opposed to short and irregular wind and storm pulses caused by modified systems, is essential to promoting adaptations and survival strategies among organisms in the aquatic/terrestrial transition zone (Junk 1989). Pulsing also aids in seed dispersal (Middleton 1995) and

nutrient availability (Wiegert and Penas-Lado 1995, Anisfeld et al. 1999), both of which improve plant productivity.

Hydrologic pulsing and suspended sediment delivery are critical to wetland sustainability, but studies have shown that this process is not always sufficient. For example, the outlet of the Eel River, California, showed sediment transport due to one 3-day river pulse deposited 7 times the amount of sediment deposited in an entire winter (Ogston et al. 2000). On the U.S. east coast, Leonard (1997) found sheet flow across a North Carolina salt marsh increased deposition rates. However, the length of inundation was not as highly correlated to deposition as was the concentration of total suspended sediment. In contrast, Stumpf (1983) studied tidal flow and marsh surface sedimentation in a salt marsh in Lewes, Delaware, and concluded the amount of sediment reaching the interior marsh due to tidal pulsing is inadequate to keep pace with GSLR.

Sediment deposition has been studied globally to understand coastal ecosystem processes and the implications for their survival with current trends in GSLR. Temporal and spatial variations of sediment deposition are assessed using a range of methods. Isotopic dating using ^{137}Cs ($t_{½}$ = 30.1 y) or ^{210}Pb ($t_{½}$ = 20.3 y) is useful for assessing recent historical trends (up to 120 yrs) in sediment deposition. Permanent horizon markers (i.e. feldspar clay) are commonly used to determine deposition on annual time scales. For short-term analysis (t = days to weeks), temporary sediment traps and ^{7}Be have been applied. Analysis of long-term sediment deposition is useful in areas where human impacts, hydrological changes, or global warming may have altered the natural rate of accumulation. In Belize, ^{210}Pb dating of sand-marshes showed an increase in dry mass accumulation coincident with the beginning of the agricultural boom of the late 1800s (Kim

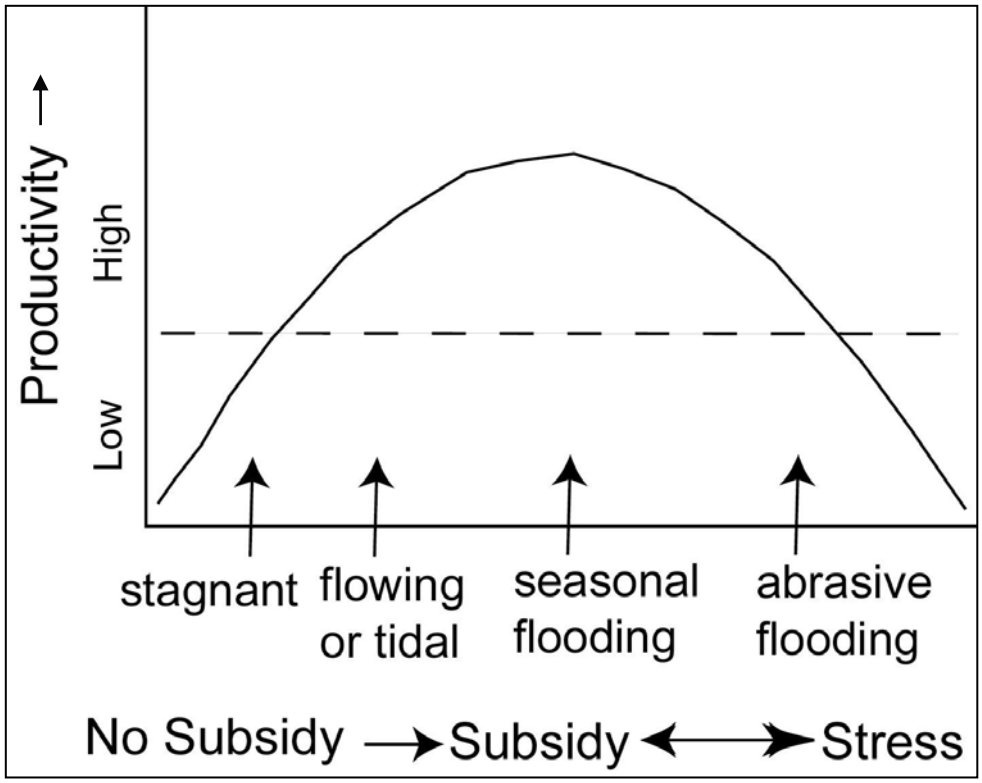

Figure 3: The pulsing paradigm demonstrates the ideal hydrologic regions for the most beneficial wetland environment (modified from Odum 1995).

and Rejmánková 2002). Lead-210 dating of 10 cores in the Lower Passaic River, New Jersey, which is subject to extensive industrialization and dredging, indicate the area is a sink for sediments and, as a result, hardly contributes to the down-river sediment budget of Newark Bay (Huntley et al. 1995).

Inter-annual variability in sediment accumulation is assessed using permanent horizon markers in estuarine marshes. Feldspar horizon markers were used in the Rhone River Delta, France, to conclude that areas receiving riverine flooding were more likely to survive the effects of RSLR than impounded and marine areas (Hensel et al. 1999). The link between the variablility of marsh sediment deposition and marsh elevation was shown using

feldspar horizon markers in the Bay of Fundy, Canada. In this study, Chmura et al (2001) concluded low lying marshes (1 meter inland from of lowest *Spartina alterniflora* growth) that are not subject to erosional forces benefit from a negative sedimentation feedback loop, or maintenance of equilibrium, while high elevation marshes (1 meter inland of uppermost *Spartina alterniflora* growth) of are more sensitive to hydrologic changes due to RSLR. Moreira (1992) measured deposition over feldspar horizon markers in salt marshes of Sado Estuary (Portugal) and deduced that accumulation rates, particularly in low lying vegetated areas, are sufficient to keep pace with RSLR (Table 2). Thus, inter-annual deposition studies provide critical information about current trends in coastal marshes relative to GSLR.

Shorter-term sedimentation measurements are useful for capturing deposition during pulses, such as tides, floods and hurricanes. Wetland sediment deposition during tidal pulses in Norfolk, United Kingdom, was assessed using sediment traps where it was shown the introduction of sediment through water movement contributes more to land building than the decomposition of local vegetation (French et al. 1995). Day et al. (1999) conducted an experiment in Venice Lagoon, Italy, to assess sea level rise and accretionary dynamics using sediment traps and reported that most of the deposition was due to natural pulse events. However, in both of the U.K. and Italy locations, sediment accretion rates lagged behind the rate of rising sea level. In contrast, inland freshwater wetlands of Las Tablas De Daimiel, Spain, had excessively high sediment inputs and channel deposition which pose a serious threat to the future of the area (Sanchez-Carrillo et al. 2001). Sediment transport and deposition studies have been carried out in numerous estuaries of coastal Louisiana. Marsh sediment deposition was evaluated relative to winter storm pulsing in Terrebonne Bay using sediment traps (Reed 1989). Winter storms provided suspended sediment availability and

transport opportunity, both of which are vital to marsh deposition (Reed 1989). A study on vertical movement of a floating marsh in Barataria-Terrebonne Basin revealed mineral sediment deposition limits marsh mat movement (Holm et al. 2000). Nyman et al. (1990) used the relationship between mineral and organic deposition in the rapidly subsiding Mississippi Deltaic Plain to demonstrate 1) mineral deposition is vital to land building; and 2) diversions that supply mineral-rich sediment may be important for reducing the current rate of wetland losses. Despite the acknowledgement among many coastal scientists that freshwater diversions may be key to land-building in coastal Louisiana (Chatry and Chew 1985; Stewart 1985; DeLaune et al. 1990; Nyman et al. 1990; Williams et al. 1997) very little quantitative research has been published to support this claim.

Mississippi River Delta

Sub-deltas (t = 150 to 200 yrs) of the Modern Belize Delta, as well as the Modern Balize Delta itself (t = 1000 yrs) are in their destructive phase (Fig. 4; Fisk 1952). The major cause of RSLR in Louisiana is rooted in the reduction of fluvial inputs to deltaic wetlands from the Mississippi River. Louisiana, which accounts for 40% of wetlands in the lower 48 states, is undergoing the most rapid loss of wetlands in the United States. Containment levees built along over the 3500 km of the Mississippi River discourage regular input regimes that once sustained the ecological balance between the river and its adjacent floodplain. The Mississippi River south of New Orleans, LA, is flanked on both sides by sub-deltas that are subsiding faster than sediment is being supplied. These sub-deltas provide the substrate for fresh and saltwater marshes vital to the Louisiana economy, as well as providing flood attenuation during storms, nursery habitats for birds, fisheries and other animals, and acting

Table 2: Sediment deposition rates and sampling methods are given here for comparison.

Location	Method	Sediment accretion rates (cm/yr)	Sediment deposition (g/m2-d)	Citation
EUROPE				
Rhone Delta, France	Horizon Marker	1.0-2.0		Day et al. 1995
Venice Lagoon, Italy	Sediment traps, horizon markers	0.2-2.3	3-7	Day et al. 1999
Sado Estuary, Portugal	Horizon marker	0.07-0.33		Moriera 1992
Scolt Head Island, England	Sediment traps, horizon markers	0.1-0.8		French et al. 1995
Severn Estuary, England	^{210}Pb	0.4		French et al. 1994
Las Tablas de Daimiel, Spain	Sediment traps	1.61-3.87	49-135	Sanchez-Carrillo et al. 2001
Scolt Head Estuary, England	Horizon marker	0.1-1.4		Stoddard et al. 1989
Island of Sylt, Germany	^{210}Pb	0.6-1.5		Kirchner and Ehlers 1998
NORTH AMERICA				
Multiple sites, Belize	^{210}Pb	0.93-1.08		Kim and Rejmankova 2002
Long Island Sound, NY	^{210}Pb	0.11-0.61		Anisfeld et al. 1999
North Inlet, SC	Sediment traps		42-53	Hutchinson et al 1995
Terrebonne Parish, LA	Horizon marker	2.02-3.33		Kemp et al. 1999
Multiple sites, LA	Horizon marker	0.3-1.3		Cahoon and Turner 1989
Terrebonne Parish, LA	Sediment traps		3-5.3	Reed 1992
Multiple sites, LA	Sediment traps		0.57-3.82	Boumanns and Day 1994
Multiple sites, LA	^{210}Pb	0.40-0.55		DeLaune et al 1989
Cedar Creek, FL	Sediment traps	1.16-1.85	N/A	Leonard et al. 1995
Tijuana Estuary, CA	Horizon marker	0.1-8.5		Cahoon et al. 1996

as important areas for wetland biogeochemical transformation of nutrients (Mitsch and Gosselink 1993). Without natural nutrient- and sediment-rich river inputs, saltwater intrusion, vegetation loss, subsidence, and erosion effects are more significant in these marshes. Net land loss is estimated to be 79 to 111 square kilometers per year (LA Coast 2001).

Attempts to counter land subsidence on these degrading marshes have been made in recent years. However, marsh management plans implemented in several coastal Louisiana marshes have had little success with regards to land building. Research on marshes managed by structures such as weirs, culverts, and impoundments are repeatedly found to limit sediment inputs instead of increasing sediment loads (Reed and Cahoon 1992; Boumans and Day 1994; Reed et al. 1997; Kuhn et al. 1999). Several freshwater diversions and siphons from the Mississippi River are in operation along the upper estuaries of the delta. Such structures include Caernarvon, Davis Pond, Naomi and Violet. The latter two diversions operate on smaller discharge scale (about 68 m^3/s) about 3 to 4 times smaller than the Caernarvon and Davis Pond Freshwater Diversions. Current operational discharge from the Caernarvon diversion does not exceed 183 m^3/s, and flow is controlled based on maintenance of isohalines within the receiving estuary. Sediment delivery to the marshes is not currently part of the discharge plan for Caernarvon. Pulsing from the Mississippi River has been proposed not only for restoring its fluvial water sources but also to simulate the effects of natural flood cycles related to rain and seasonally high discharges from the river. Relying on marine and tidal pulsing for sediment deposition is not sufficient to combat RSLR in coastal Louisiana. Research on winter storms and hurricanes have shown that they increase sediment resuspension, overbank delivery, and marsh surface deposition (Rejmánek

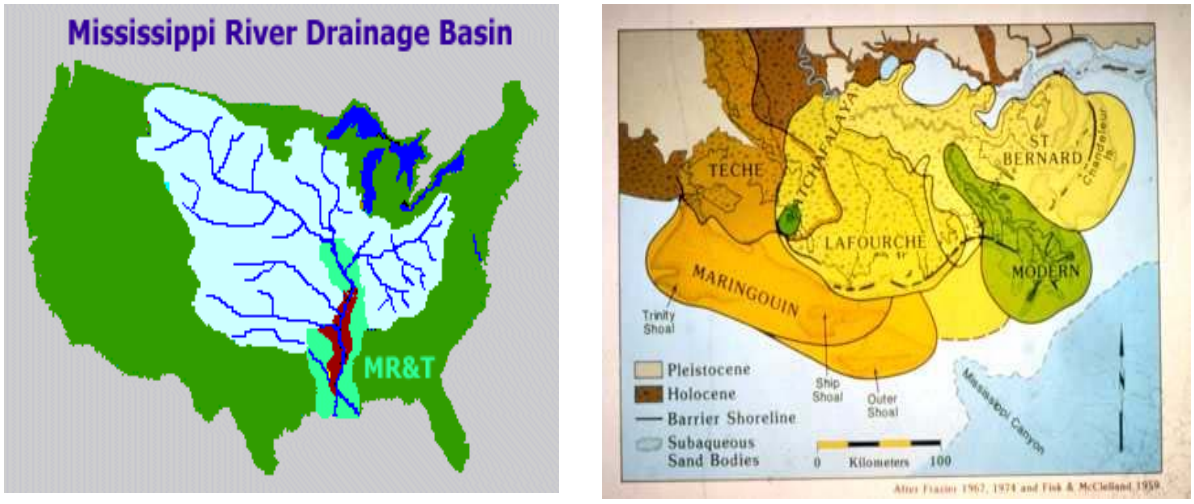

Figure 4: Mississippi River drainage basin a) covers 40% of the conterminous United States (from US Army Corp of Engineers 1999) and b) is responsible for building seven deltas at it's mouth over the past ~15,000 years (from USGS based on Fisk 1952).

et al. 1988; Stumpf 1988; Reed 1989; Cahoon et al. 1995; Perez et al. 2000). However, substrate compression during violent storms can also reverse the elevation gains from sediment deposition (Stone et al. 1997). In addition, freshwater marshes in the upper estuary are not likely to reap the sediment benefits of marine pulsing. Hence, sustaining freshwater marsh levels in southern Louisiana may depend increasingly on freshwater diversions.

Maximizing the potential of freshwater diversions for receiving estuaries is a management goal for the state of Louisiana. Annual pulsing regimes through the freshwater diversions may simulate the natural flood cycles and sustain wetlands. The Caernarvon freshwater diversion in Breton Sound estuary (Fig. 5), located south of New Orleans, has supplied river water, suspended sediment, and nutrients to coastal wetlands since 1992. Mass sedimentation models for Breton Sound estuary indicate mass sediment accumulation in the study area of about 2500 $g/m^2/yr$ are required for a net land gain (Templet, per. comm. 2001).

In this system two different depositional histories have occurred. Thus, sediment accumulation in the basin needs to be addressed on two timescales, long-term (100-yr) and short-term (15-day) processes. The hypothesis for this study is large pulses (>183 m^3s^{-1}) from freshwater diversion structures can supply enough sediment to exceed RSLR and build marshland in coastal Louisiana.

The objectives for this research project are threefold: 1) to assess short-term sediment accumulation using a sediment trap technique with respect to site orientation to major flow routes (adjacent vs. interior), distance from the diversion outfall channel, and spatial deposition within each marsh site; 2) to evaluate and improve this technique as a means of accurately quantifying short-term sediment accumulation; and 3) to compare annual and decadal deposition using feldspar horizon markers and ^{210}Pb dating, respectively, to the annual calculated sum derived from the sediment trap technique.

FIELD SITE DESCRIPTION

Breton Sound Estuary is located on the east side of the Mississippi River southeast of New Orleans, LA. The study site, characterized by grassy (*Spartina patens*) marshes and willow trees along natural levees, is south of the Caernarvon Freshwater Diversion outfall area (Fig. 5). Bayou Terre aux Boeufs and River aux Chenes are the natural east and west estuary flow boundaries, respectively. These boundaries are abandoned distributaries of the former St. Bernard Delta complex (3.5-2 kya). The estuary is now part of the Plaquemine-Modern Delta (1 kya- present; Frazier 1967). Big Mar serves as the initial receiving basin for the diversion's riverine inputs. Big Mar, once an agricultural impoundment, is now a shallow lake as the result of a planned levee break during the 1927 flood.

The freshwater marsh area of the estuary is made up predominantly of pro-delta clays foundation overlaid by a mixture of Holocene clays and organic material. On the whole, the Mississippi River delta complex is characterized as a fine-grained delta with an average grain size of 0.014mm (Orton and Reading 1993). When the upper estuary receives diverted fluvial input, suspended sediments in the Mississippi River generally average well over 70% fine-grained sediments (<0.062mm; USGS 2003). The 1927 flood relief effort left a discrete gray clay layer on Breton Sound estuary with a 12 km radius from Big Mar. This clay layer ranges from 2 to 74 cm in thickness. Depth of deposition since the flood layer ranges from 26 to 55 cm. Sediment accretion since 1927 in the northern estuary is suspected to average 0.73 cm/year (Kemp, pers. Comm. 2001) while the estuary is subsiding at 18.3 cm per century in the north to 122 cm in the south (~ 0.18 to 1.2 cm/yr; LACoast 2002).

The tidal range in the estuary is 30 cm at the Gulf coast and is significantly dampened north of Lake Lery. The area experiences a temperate climate with riverine flooding (diversion

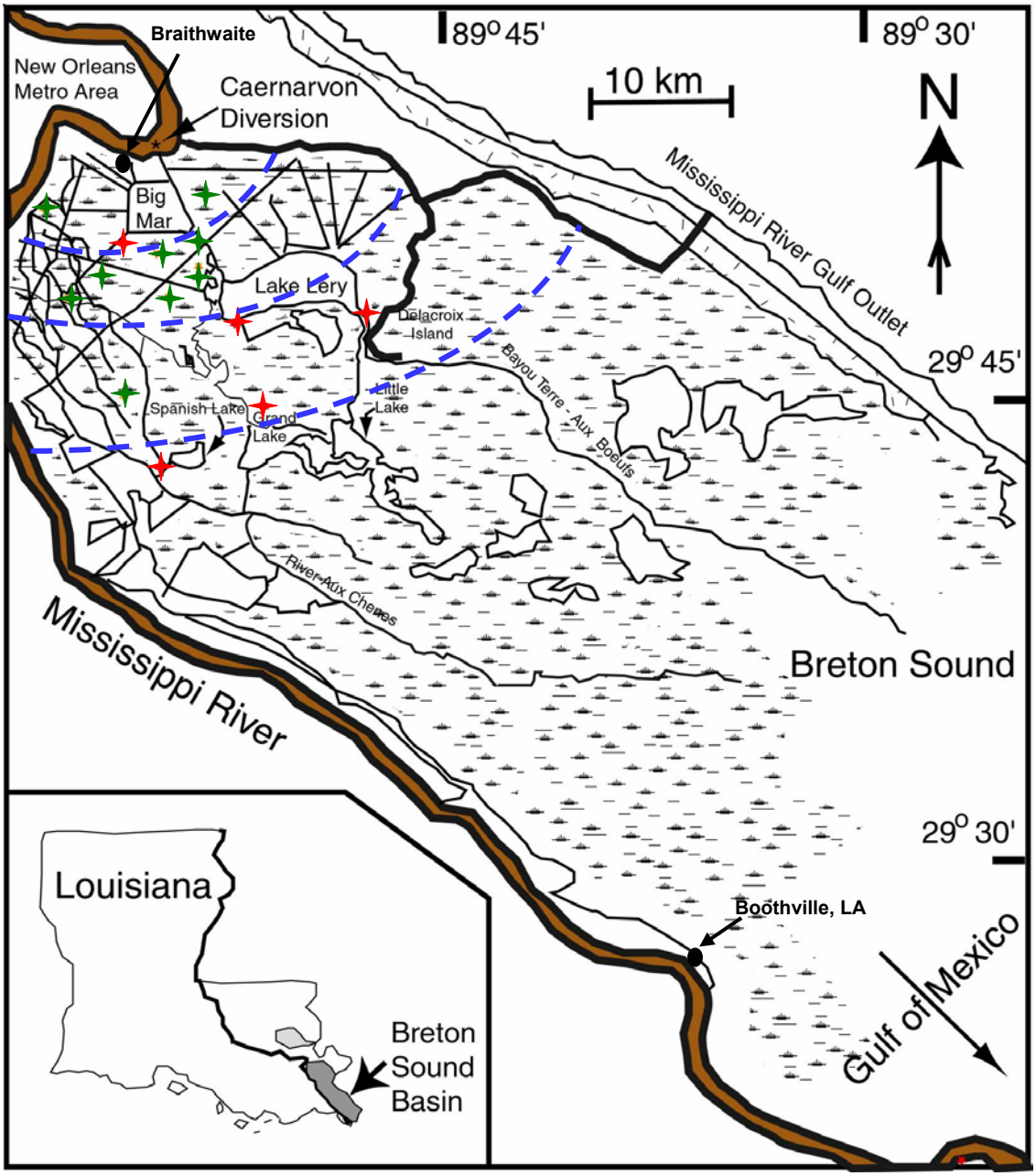

Figure 5: Breton Sound Basin is located in south Louisiana (see inset). Sampling sites are indicated by green stars (interior sites) and red stars (exterior sites). Best fit concentric arcs (blue dashed lines) represent distance classes (< 6, 6 to 10, and > 10 km) from the diversion.

controlled) in the spring and a dry season in the fall, which allows salinities in the northern basin to increase. Mississippi River stage has an annual crest in the spring and an annual low in the early fall (Fig. 6a). Annual precipitation over the last thirty years averages around 157 cm (LOSC 2002). Winds in the area are variable in speed and direction (Fig. 6b).

Current uses of the Breton Sound estuary include shrimping, recreational and commercial fishing, oystering, crabbing, oil mining and transport, recreational hunting, and alligator breeding. Residential use of the land is sparse and generally limited to hunting cabins. Delacroix (population 300) is the only town in the estuary. Macrofauna in the area include, among others, nutria, deer, alligator, raccoon, rabbit, raptors, wading birds, and muskrat.

The research area (Fig. 5), approximately 27 km long and 16 km wide, contains fourteen (14) sampling locations. Sampling stations were distributed in the basin to test 3 main scenarios for sediment delivery to marshes: 1) distance from the diversion; 2) orientation to the diversion; and 3) habitat effects. The station locations were randomly chosen to represent distance classes < 6, 6 to 10, and >10 km from the input source to map the route and the traveling distance of the river sediment, thus addressing scenarios 1 and 2. Additionally, within each station, accretion was monitored at the channel edge, middle marsh, and back marsh to address the third scenario.

Sediment sampling was conducted by deploying 12 sediment traps at each of 11 sampling sites in the research area (Fig. 7). The cages were paired and placed about 10 m apart along a transect perpendicular to an adjacent water body. Thus, a matrix was set up at each site with two pairs of traps at the edge, middle, and back marsh. Distances ranged from 0 to 3 m between cage pairings. Three other sampling sites were set up with half of the described set-up: one cage on the levee edge, one cage mid-marsh, and one cage in the back marsh. The sediment traps are

deployed for a maximum duration of 4 to 5 weeks during low-pulsing events (<183 m^3/s) and 1 to 2 weeks for high intensity diversion pulses (>183 m^3/s).

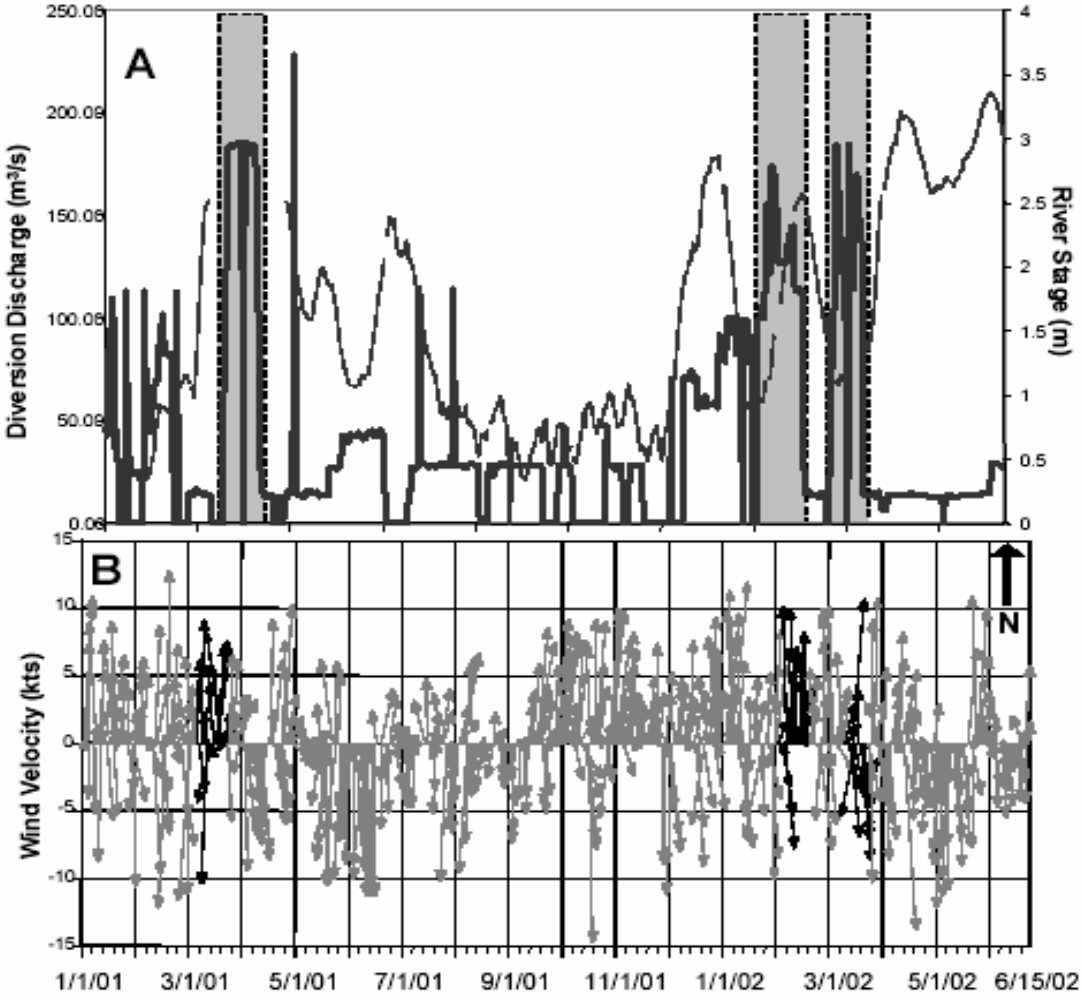

Figure 6: Patterns in a) Caernarvon freshwater diversion discharge (—) are similar to Mississippi River stage at Braithwaite, Louisiana (—). Experimental high river pulses (> 183 m3/s) are indicated by grey boxes. Average daily wind direction and magnitude (knots) recorded in Boothville, Louisiana (b), also play an important role in wetlands hydroperiods.

MATERIALS AND METHODS

Sediment Traps

Short-term sediment accumulation was measured by collecting sediment on 9-cm diameter glass fiber filters (GF/F). The sediment trap assembly consisted of a filter and underlying petri dish (also 9 cm) base that each had two pre-punctured holes 6 cm apart (Fig. 8). Each filter was numbered on both sides, ashed initially in a muffle furnace to remove organic material, and then weighed prior to deployment. A plastic coated metal wire (3.5 mm dia.) was used as a staple to secure the filter and dish to the marsh. The upside-down petri dish was pushed into the marsh until the filter pad was level with the marsh surface (Fig. 9). One-half inch mesh wire cages (0.3m x 0.3m) were anchored to the marsh around the filter pads as location markers and for protection from interference by fauna and large detritus.

For field collection, each filter pad was transferred carefully with tweezers into an individual, clean petri dish with a pre-labeled lid for storage during the return trip to Louisiana State University (LSU). New filter pads were immediately replaced at the field site and the filter number, location, and the date were recorded. The collected samples were returned to the laboratory, photographed in suites of 12 by site, and refrigerated until processing occurred (within 1-2 weeks). This technique provides the net short-term deposition for individual locations and can not quantify deposition versus resuspension processes over the intervening sampling periods.

Each pad was folded carefully into quarters and placed in a pre-weighed aluminum pan (57 mm ID) and dried in an oven at 60ºC. The filter and weigh pan were cooled, weighed to obtain a dry weight measure of deposited material, then ashed in a muffle furnace

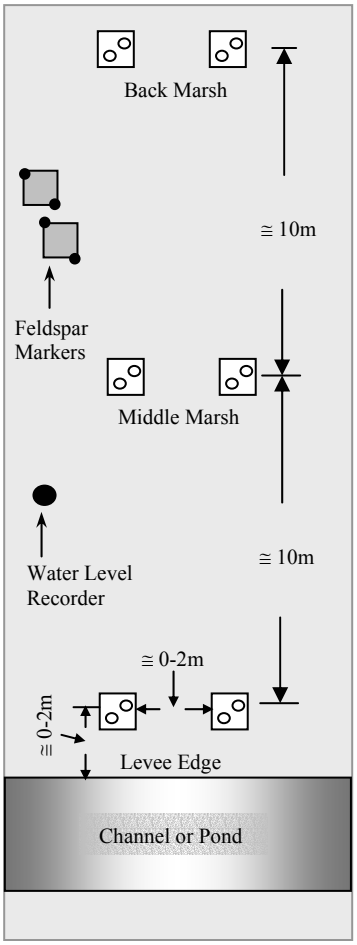

Figure 7: Sampling site schematic shows the general distribution of techniques employed for this study.

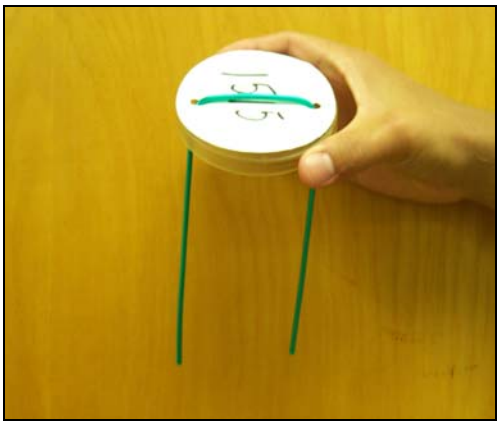

Figure 8: Sediment sampling assembly shows how the sediment trap is anchored to the marsh by a large staple.

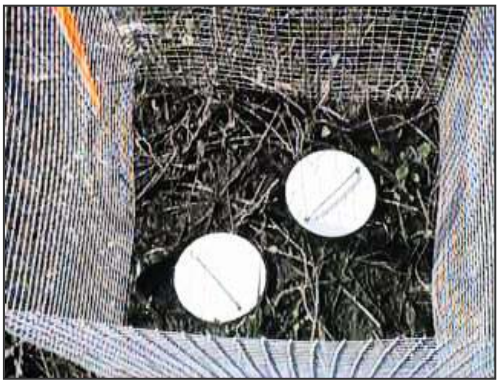

Figure 9: Deployed sediment trap assembly shows how each pair of sediment traps was protected by wire cages.

at 350ºC (without preheating) for at least 16 hours. The pan and filter were reweighed together. The pre-deployed filter weight and aluminum pan weight were subtracted from the dried and ashed total weights to determine total dry sediment and organic matter masses. Deposition of inorganic and organic sediments are reported as the mean (± 1 standard error) of 4 sediment traps at each location within a transect.

Sample Processing Corrections

Corrections were made to all pan and filter weights to account for oxidation of the aluminum during oven processing and field degradation of filters during deployment. These corrections were made after assessing the percent recovery of filters and laboratory processing. Prior to filter #733 (filters were deployed sequentially), filters were not pre-punctured. The anchoring staples were poked through the filter at the time of deployment. The resulting tear in the filter often exacerbated degradation and resulted in filters that were unrecoverable. Pre-punching the filters reduced those losses and significantly improved data.

All but 168 filters, including those prior to #733, were archived after processing and percent filter losses were estimated for circular staple area ($A=9.62mm^2$). Based on an assumption of equal weight distribution within each pad, the percent area lost was then subtracted from the pre-deployed filter weight.

Evidence of fraying was observed around the edges of the filters, particularly for longer deployment periods. Glass fiber filters undergo an extremely thin lamina loss when soaked in water. A lab test in which 12 ashed filter pads were soaked in water for 2 weeks, dried, and re-ashed showed that the loss incurred is highly significant (Analysis of Variance (1-way ANOVA), $p < 0.0001$; Model A1). The average weight loss due to soaking was estimated to be 3.74% and has been applied as a correction to all deployed filter traps.

Aluminum weigh pans undergo oxidation while in the ovens and lose mass. This weight loss is critical to the overall calculation of the actual sediment deposition. Three identical tests were run on a total of twenty-nine pre-weighed 57-mm weigh pans which were placed in the drying oven overnight, reweighed and then ashed for 16 hours at 350ºC and weighed a third time. An analysis of variance (1-way ANOVA; Model A2) showed that the average pan weight loss is significant across all pair-wise comparisons ($p = <0.0001$). Since small perturbations in measured masses can cause large errors, the average percent weight loss was subtracted from each pan as a correction. After drying, pans were corrected for a 0.1088% weight loss. After ashing, pans were corrected for an additional 0.2701% weight loss. The recovery rate for the 2941 sediment traps deployed over the 18-month study period was 89%.

Bulk Densities

Bulk densities were measured at each site to convert depositional mass to vertical accretion. Six 50-cm^3 (10 cm long, 2.5 cm diameter) cores were taken at each site and averaged to determine bulk sediment density. Known bulk densities (mg/cm^3) translate short-term sedimentation (measured in mg/cm^2) into vertical accretion (cm).

Feldspar Marker Horizons

Feldspar acts as a discrete horizon marker for subsequent sedimentation over an area. Dry feldspar clay (approximately 1 to 1.5 L) was sprinkled evenly and liberally inside a 0.5 m x 0.5 m PVC frame next to sediment trap transects and each site was marked with 2 vertical PVC poles. Vegetation inside the plot is positioned upright to insure the grid makes solid contact with the marsh surface. A watering can was used to accelerate settlement of the clay through the vegetation at the time of deployment. This technique provides an estimate of net sedimentation over time periods greater than 6 months. Two feldspar markers were

deployed at nine of the fourteen sampling sites in April 2001 (Table B1). The remaining five sites had feldspar marker horizons deployed in January, 2001. Each feldspar grid was cored approximately one year after deployment (June 2002) to compare annual accumulation values to short-term sediment accumulation values from the filter traps. Liquid nitrogen was injected into the sediments and a plug of mud was removed as a "mudsicle". The feldspar marker appeared as a discrete white layer in the mudsicle and the height of sediment above the feldspar layer was measured to evaluate accretion. Ideally, each core was measured two to four times with calipers, rotating the core 90° each time. In highly vegetated areas measurements per core were limited by bioturbation which inhibited the presence of a discrete marker. The average of these individual readings per core becomes the accumulation value for that core. The two average core values from each plot at each of the sites were averaged.

Sediment Core Collection/Processing

A ^{210}Pb core about 40 cm long and 10 cm in diameter was taken on September 8, 2001 at Site 432 (3km SW of diversion). The long half-life of ^{210}Pb (22.3 years) makes it useful for comparing long-term sedimentation rates against the short-term sedimentation measurements acquired from the filter pads, as well as the annual sedimentation rates measured in the feldspar horizon marker cores. The core was sectioned into 1-cm intervals immediately after collection, individually bagged and labeled, and returned to the LSU sediment laboratory. Each interval was dried overnight at 60°C, homogenized with a mortar and pestle, packed into small volume vials, and sealed with epoxy. All core samples were set-aside for about 30 days for the ^{210}Pb to reach equilibrium with ^{226}Ra prior to processing in an intrinsic germanium detector with a well geometry (inner diameter = 10 mm).

Lead-210 dating of recently deposited sediments (less than 120 years) as a technique commonly employed for quantifying deposition rates. Sedimentary ^{210}Pb is derived from two sources: 1) in-situ decay of its parent, ^{226}Ra ($t_{½}$ = 1620 y), and 2) atmospheric deposition. Radium is present in the matrix of minerals where it decays to ^{222}Rn ($t_{½}$ = 3.83 d). Since radon is an inert gas, it will emanate from soils and sediments and can be released to the atmosphere where it rapidly decays to ^{210}Pb. Because ^{210}Pb is particle reactive, it adsorbs to atmospheric aerosols and falls back to earth as wet and dry deposition. Atmospheric deposition of ^{210}Pb on water bodies provides a means to estimate sedimentation rates. Supported ^{210}Pb in sediments is the fraction of the total in equilibrium with its parent, ^{226}Ra. Unsupported ^{210}Pb (or excess) in sediments is the fraction associated with an external source, mainly atmospherically derived ^{210}Pb.

Geochronological ^{210}Pb dating requires the following basic assumptions: 1) atmospheric ^{210}Pb is quickly sequestered in soils and sediments and becomes immobilized; 2) unsupported ^{210}Pb, (atmospheric origin) does not migrate downward in the sediment column and is independent of depth; and 3) supported ^{210}Pb (terrigenous origin) is in equilibrium with ^{226}Ra. Further, the Constant Rate of Supply (CRS) model used to identify unsupported, or excess, activity assumes that ^{210}Pb is delivered from the atmosphere at a constant temporal rate while spatial concentrations in the sediment may vary as a function of sedimentation rates (e.g. Goldberg 1963; Noller 2000). Unsupported ^{210}Pb activities (A_t) in sediment of age t (t=time) is calculated using the law of radioactive decay:

$$A_t = A_o e^{-\lambda t} \qquad (1)$$

where λ is the decay constant for ^{210}Pb, and A_o is the total unsupported activity in the sediment column. In environments where shallow mixing is a factor in sediment deposition,

the Constant Initial Concentration (CIC) model may be employed to determine the depth of mixing assuming a constant initial concentration of ^{210}Pb in a sediment sample and a constant rate of rate of sediment deposition. The age of the mixed layer is determined by:

$$t = 1/\lambda \ln (A_o/A_t) \quad (2)$$

The slope (m) of ln A_t versus depth is then used to determine rates of deposition:

$$s = m \lambda \quad (3)$$

Vertical Marsh Movement Indicators

Vertical movement of the marsh mat at each site was measured using vertical movement indicators (VMI) described by Holm et al. (2000, Fig. 10). VMIs were deployed from February 2002 to August 2002. The device consists of 1.27-cm PVC pipe driven vertically into the marsh until it reached firm mineral substrate. The PVC was threaded through the lid of a five-gallon bucket with a 1.91-cm hole in the middle so that the bucket lid rested on the marsh surface. A 15.24-cm section of 1.91-cm PVC slides over the 1.27-cm PVC and rested on top of the bucket lid. A spring was then wrapped tightly around the 1.27-cm PVC and rested on top of the wider PVC. The length from the top of the spring to the top of the 1.27-cm PVC was then measured and became the datum. Any upward movement of the marsh mat moved the spring up the piping. The spring remained elevated if the marsh mat lowered again. By this method maximum vertical marsh movement in between monitoring trips was recorded. Each VMI was measured and reset monthly.

Water Level Recorders

Water level recorders (WLR) were installed near all of the sampling sites. Ultrasonic recorders (Infinities USA, Inc.) with a data logger for water elevation were placed over 4-cm diameter wells and holes were drilled in the wells near the sediment-water interface. The

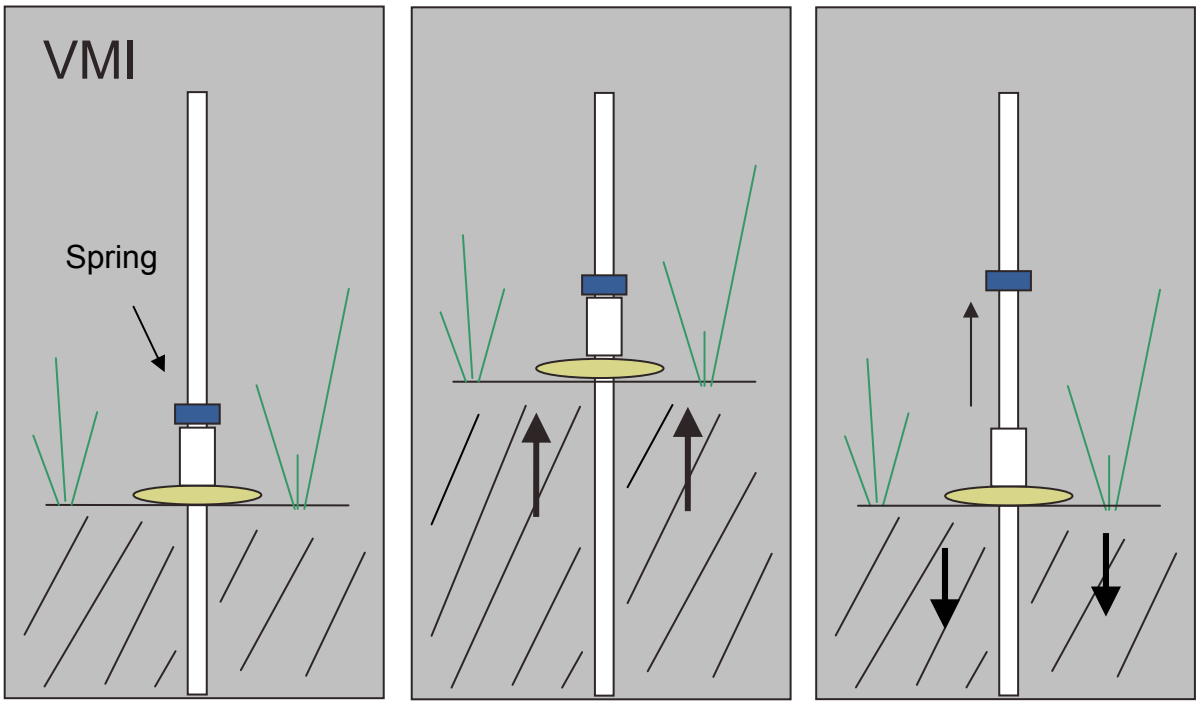

Figure 10: Vertical movement indicators (VMIs). a) Distance from spring to top of PVC is measured upon deployment. b) As marsh expands/rises, spring is raised. c) As marsh lowers, spring remains elevated and mark level of highest marsh elevation.

holes allowed for free water exchange between the well and the marsh surface so that both above- and below-ground water levels could be measured. Measurements were recorded hourly with an instrumental accuracy within of 1% of the distance measured and a resolution of 1mm. All water level recorders were surveyed to the NAVD88 datum and are reported using this datum. Marsh inundation was compared to sedimentation rates to assess the relationship between hydroperiod and marsh accretion. At every sampling site, each cage was surveyed to NAVD88 to relate water levels to marsh inundation. USDA Natural Resource Conservation Service (NRCS) surveyed benchmarks at each sampling site with a high precision Global Positioning System (GPS).

Statistical Analysis

Analysis was performed using the SAS software (Model A3). A General Linear Model (GLM) procedure analyzed the dependent variables: total dry sediment deposition, and percent organic deposition, using the same independent variables: season, orientation, distance, and habitat. The model nested season in year to control annual variations. Throughout this analysis, a 5% significance level ($\alpha = 0.05$) was employed.

Season was classed based on annual precipitation patterns, frontal (Dec-Mar), dry (Apr-Jul), and wet (Aug-Nov). All high pulses occurred during the frontal season, so a pseudo-season, or 'pulse' season, was created to represent intervals of high fluvial intensity. The term 'orientation' described the difference in depositional patterns between marsh sites adjacent to major hydrological flow paths and marsh sites located next to minor flow paths or marsh ponds. Each sites linear distance from the diversion was measured using a global positioning system (GPS) and then classed into three best fit
concentric arcs moving away from the diversion. The term 'habitat' describes the variation in accumulation at three locations (front, middle, back) along a transect within each sampling site moving perpendicularly away from the site edge.

RESULTS

Three 2-week high-intensity diversion discharges (pulses) occurred over the 18-month study sampling period: 1) March 7-22, 2001; 2) January 27 – February 10, 2002; and 3) March 5-17, 2002. The first pulse event occurred during maximum river stage (Fig. 6a) with an average total suspended sediment (TSS) delivery into the estuary of 229.92 mg/L (Hyfield 2003, in prep.), and predominantly south winds (Fig. 6b). The second pulse, January/February 2002, also occurred as river stage approached a maximum (Fig. 6a), TSS averaged 189.50 mg/L and south winds prevailed. However, the third pulse occurred during a trough in river stage (Fig. 6a) when TSS averaged only 19.15 mg/L and north winds prevailed (Fig. 6b). Suspended solid loads increased and decreased directly with river stage.

Of the 2,941 sediment traps deployed from January 2001 through August 2002, an 89% recovery rate was observed (Table B2). Short-term sediment deposition averaged over the entire research period for each site was extremely variable (Table 3). For example, at Site 419 average deposition collected over a single deployment period ranged from 0.035 $g/m^2/d$ (December/January of 2001-2002) to 105.522 $g/m^2/d$ (February 2002). Average deposition by sampling site over the entire research period was between 0.830 $g/m^2/d$ (Site 404) and 13.104 $g/m^2/d$ (Site 432). Bulk density measured at each site (Table B3) had a strong inverse correlation with percent organic material ($r^2 = 0.7446$, Fig. 11a). For example, interior Site 413 had the lowest bulk density (0.0674 g/cm^3) and highest organic fraction (71%). Likewise exterior Site 408 had the highest bulk density (0.2042 g/cm^3) and second lowest organic fraction (30%). Exterior sites received significantly more deposition than interior sites and tended to have the highest bulk densities (Table 3). However, the relationship between bulk density and average site deposition only explained 12.18% of

Table 3: Characteristics of and results from all 14 sampling sites

		Site Descriptors					Vertical Accretion					
Site Name	Site #	Location	Orientation	Distance Class	Average Sediment Deposition	% Organic Material	Sediment Traps	Feldspar	Average elevation	Max. marsh movement	bulk density	organics - bulk density
		LAT/LONG	INT/EXT	(km)	g/m²-day (min) (max)	(sed traps)	(cm/yr)	(cm/yr)	(m)	(cm)	(g/cm³)	(%)
DNR 1 (1/2 site)	401	N 29 49.824 W 89 57.195	INT	D1 (5.33)	1.82 (0.21) (6.42)	65.60	0.47	6.33	0.39	23.50	0.12	45.98
DNR 2	402	N 29 47.843 W 89 52.898	INT	D2 (7.74)	3.98 (0.06) (18.07)	56.80	1.36	8.79	0.33	6.00	0.08	61.89
DNR 3	403	N 29 48.160 W 89 56.106	INT	D2 (6.96)	2.05 (0.23) (7.56)	56.15	0.53	-	0.42	16.50	0.11	45.73
DNR 4 (1/2 site)	404	N 29 47.340 W 89 57.642	INT	D2 (9.41)	0.83 (0.16) (1.71)	66.30	0.26	2.07	0.43	17.50	0.10	53.97
DNR 66	406	N 29 44.343 W 89 55.600	INT (REF)	D3 (REF) (13.74)	0.99 (0.25) (1.76)	63.47	0.39	1.49	-	5.50	0.09	68.76
DNR 7 (1/2 site)	407	N 29 50.257 W 89 52.520	INT	D1 (4.04)	0.87 (0.15) (3.15)	67.90	0.33	0.91	-	6.50	0.08	53.81
SHELL BAYOU	408	N 29 42.256 W 89 54.318	EXT	D3 (17.50)	2.50 (0.17) (17.29)	50.07	0.46	-	0.22	4.50	0.20	30.35
ROB'S SET	409	N 29 46.810 W 89 47.483	EXT	D2 (9.43)	2.44 (0.42) (5.82)	37.93	0.55	-	-	4.50	0.17	40.96
SET 12	412	N 29 49.093 W 89 53.365	INT	D1 (5.30)	3.34 (0.58) (13.23)	58.69	0.99	0.95	0.36	23.00	0.09	50.56
KATE'S MARSH	413	N 29 47.493 W 89 54.362	INT	D2 (6.96)	2.68 (0.12) (12.96)	71.56	0.90	0.70	0.36	11.50	0.07	71.01
SUN LAGOON	418	N 29 44.163 W 89 50.930	EXT	D3 (15.26)	1.66 (0.09) (6.84)	50.74	0.43	1.50	0.27	4.00	0.14	42.28
LAKE LEARY BRDWLK	419	N 29 46.717 W 89 52.046	EXT	D2 (10.20)	5.93 (0.04) (105.52)	57.99	1.19	7.57	0.50	3.50	0.12	55.08
HAIRPIN CANAL	422	N 29 48.744 W 89 54.431	INT	D1 (5.52)	4.93 (0.38) (58.47)	51.61	1.24	-	0.37	14.00	0.11	48.94
DELACROIX BRDWLK	432	N 29 46.890 W 89 55.840	EXT	D1 (5.56)	13.10 (2.17) (34.99)	30.77	2.25	-	0.34	4.50	0.17	23.57

the variation in the data (Fig. 11b). Average site deposition is better correlated with organic content ($r^2 = 0.4467$; Fig. 11c). This inverse relationship implies the rate of sediment deposition is higher when mineral content is maximized (i.e. from fluvial inputs). Organic content, calculated from bulk density cores, peaked at the mid-estuary distance for both interior and exterior sites (Fig. 12a). Bulk density was significantly lower at interior marsh sampling sites than at exterior marsh sites (Fig. 12b). Vertical marsh movement measuring devices deployed at each sampling site from February to August, 2002 indicated average maximum vertical movement in exterior marsh sites was not significantly different from zero and did not vary with distance. On the other hand, average maximum movement measured at interior sites was significant and decreased with increasing distance from the diversion outfall channel (Fig. 12c).

Depositional trends were evaluated statistically for temporal and spatial influences with respect to both total dry sediment and organic material (Table 4). While some of the individual parameters (i.e. season and orientation) were not significant for total dry sediment deposition, these parameters became more significant when included in higher order interactions. For instance, the triple interaction between orientation, distance, and habitat is quite significant with respect to dry sediment deposition ($p = 0.016$; Fig. 13). A second triple interaction, the relationship between season, orientation, and distance, is just barely significant for dry sediment deposition ($p = 0.0733$) and significant for organic material deposition ($p = 0.0387$; Fig. 14). Several interactions involving two model parameters were significant with respect to total dry sediment deposition. Figure 15 shows a highly significant interaction between orientation and habitat ($p = 0.0005$) where depositional patterns within each habitat are strikingly different for interior and exterior marsh sites. The relationship

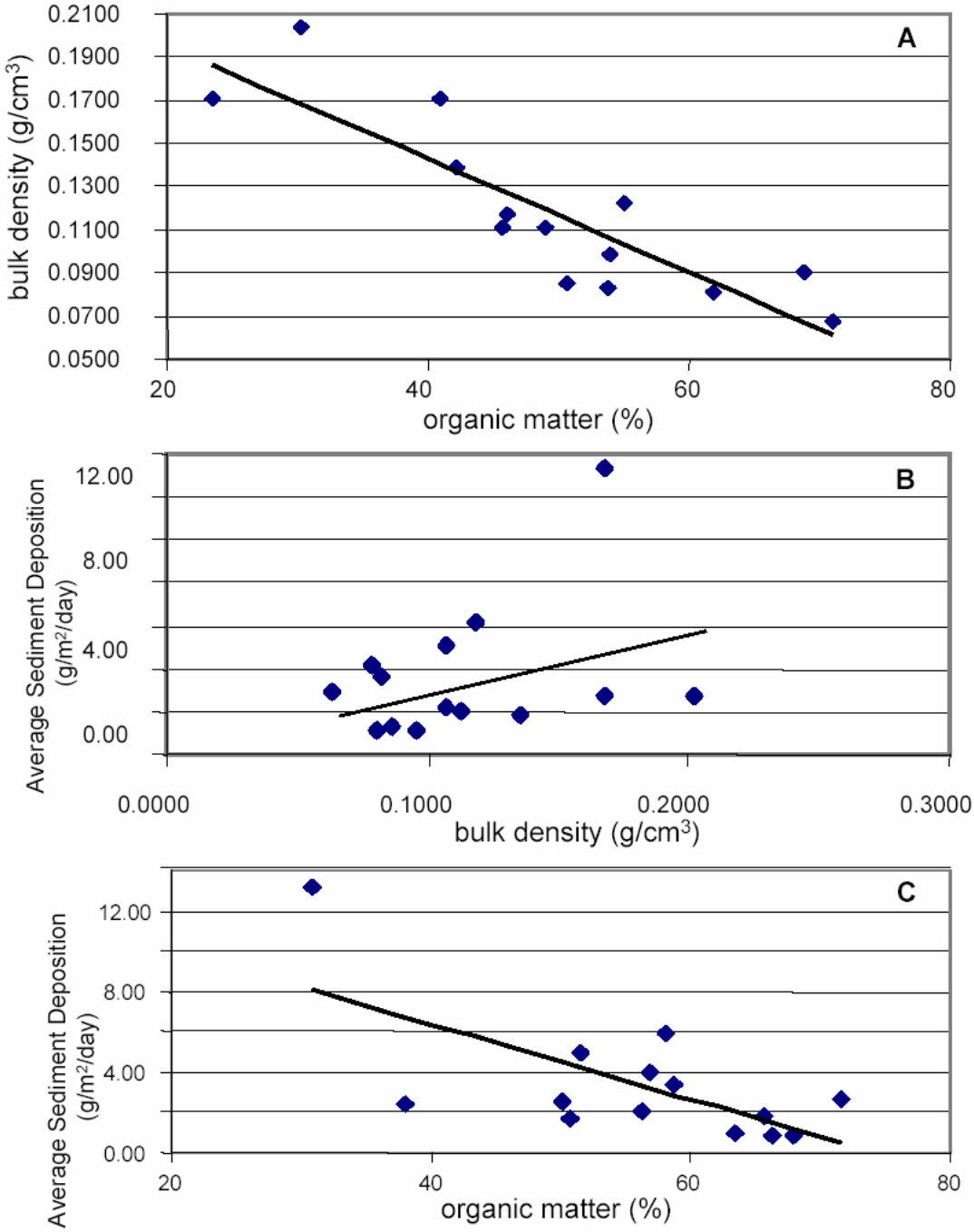

Figure 11: For all 14 sampling sites, the relationship between: a) organic matter and bulk density ($R^2 = 0.7446$); b) bulk density and average sediment deposition ($R^2 = 0.1218$); and c) organic matter and average sediment deposition (R2 = 0.4467) was tested for correlation.

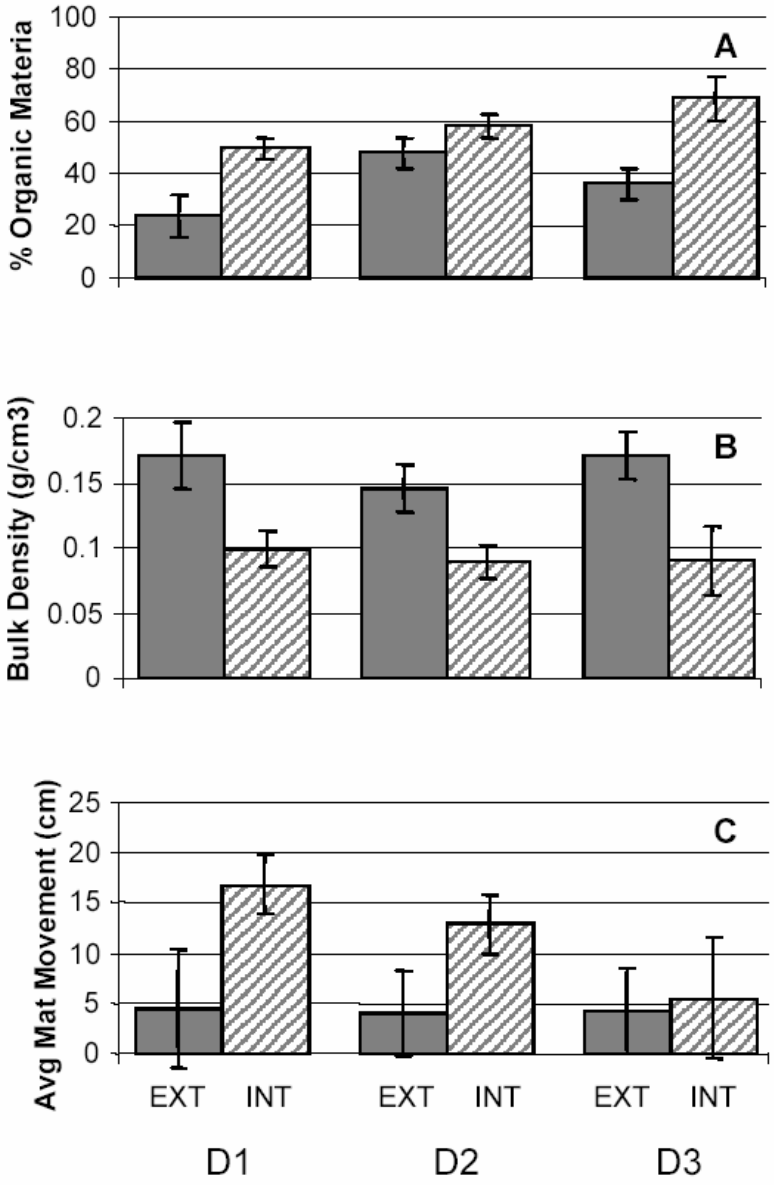

Figure 12: Comparison of interior and exterior marsh sampling sites by distance with respect to: a) percent organic material; b) bulk density; and c) maximum marsh mat movement shows an inverse relationship of organic material to marsh mat movement.

Table 4: Statistical results of the SAS GLM procedure are shown for sediment trap data.

Treatment	n	Total Dry Sediment Deposition (g/m2/day)		Organic Material Deposition (g/m2/day)	
		F value	p-value	F value	p-value
Variables					
Season	802	1.47	0.3851	6.46	0.0863
Orientation	802	6.82	0.0782	66.02	0.0035
Distance	802	12.29	0.0005	17.76	<0.0001
Habitat	802	3.00	0.0503	6.91	0.0011
2-way Interactions					
Season X Orientation	802	0.72	0.6071	0.61	0.6562
Season X Distance	802	4.14	0.0128	1.36	0.2939
Season X Habitat	802	0.95	0.4594	1.48	0.1812
Orientation X Distance	802	10.03	0.0012	1.63	0.2202
Orientation X Habitat	802	7.67	0.0005	0.35	0.7038
Distance X Habitat	802	2.14	0.0739	3.33	0.0102
3-way Interactions					
Season X Orientation X Distance	802	2.49	0.0733	3.02	0.0387
Season X Distance X Habitat	802	1.33	0.1962	0.81	0.6356
Season X Orientation X Habitat	802	1.86	0.085	0.98	0.4369
Orientation X Distance X Habitat	802	3.07	0.016	1.36	0.2458

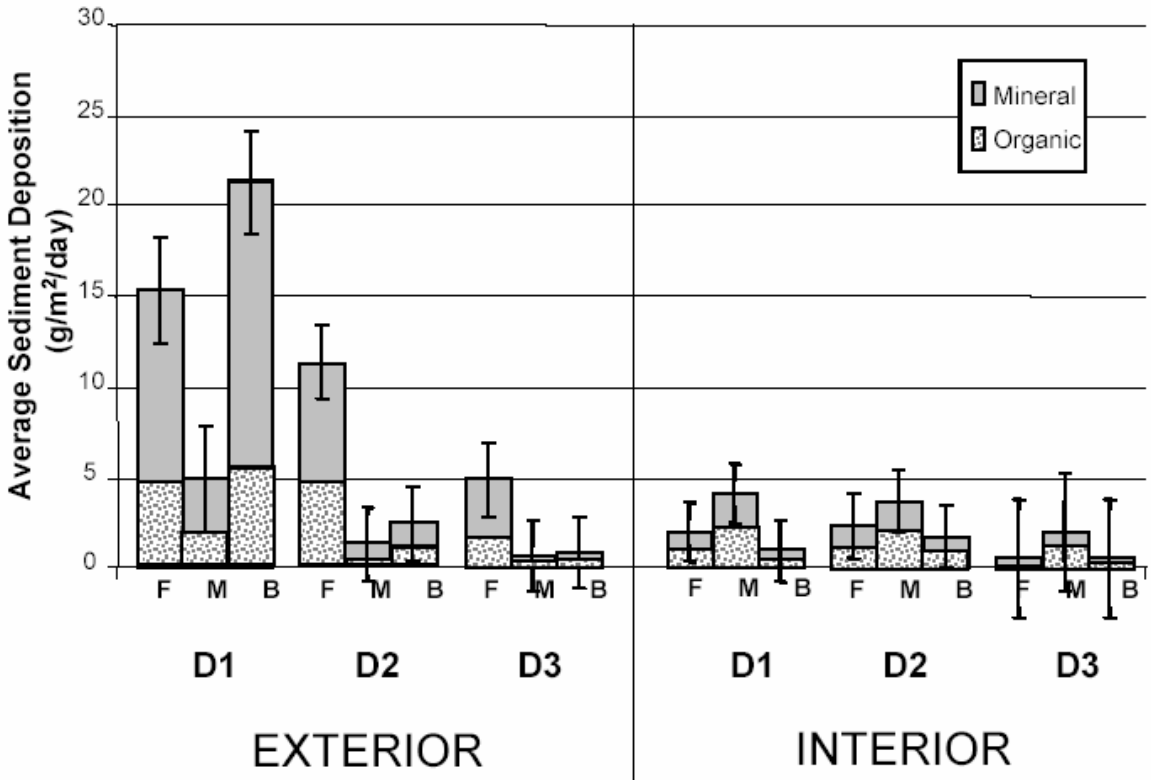

Figure 13: Variations in habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition with increased distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m) for interior and exterior marsh sites are significant ($p = 0.016$), while variations in organic material are not significant ($p = 0.2458$).

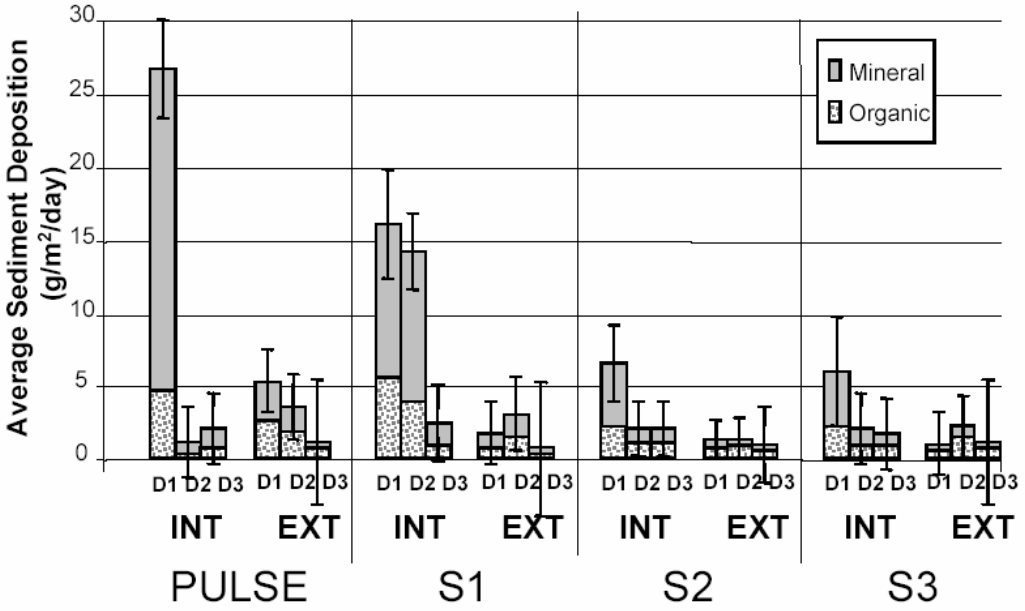

Figure 14: Variations in sediment deposition with increased distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m) between interior and exterior marsh sites compared among seasons and fluvial pulses (pulse = pulse periods >183 m^3/s), S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) are shown across space and time.

between orientation and distance is also highly significant ($p = 0.0012$) due to the increase in sediment deposition for exterior sites closest to the diversion (Fig. 16). Total dry deposition across seasons is significant when considered with distance from the diversion ($p = 0.0128$; Fig. 17). While total dry sediment deposition is borderline significant for the relationship between distance and habitat ($p = 0.0739$), organic material deposition is significant for these two parameters ($p = 0.0102$; Fig. 18). Of the four individual spatial and temporal parameters used in the statistical model, only distance was significant ($p = 0.0005$; Fig. 19) and habitat was extremely close to being significant ($p = 0.0503$; Fig. 20). Site orientation was barely significantly to overall dry sediment deposition ($p = 0.0782$), but orientation is a significant factor in deposition of organic material ($p = 0.0035$; Fig. 21). All insignificant relationships listed in Table 4 and not discussed above are graphically illustrated in Appendix C (Figs. C1 – C5).

Three 2-week high-intensity diversion discharges (>183 m^3/s) occurred over March 7-22, 2001, January 27 – February 10, 2002, and March 5-17, 2002. All three pulses significantly affected the interior sites closest to the diversion. Exterior sites (near major flow routes) were generally not influenced by pulsed sediment inputs. Only the third pulse showed significant deposition for the exterior site closest to the diversion (Site 432). Beyond the sites in closest proximity to the diversion outfall, the pulsing events did not have a significantly greater depositional impact (Fig. 22).

Average annual deposition measured using feldspar markers at 9 of the 14 sampling sites was highly variable (Table B4). Average vertical accretion was 3.37 cm/yr (standard deviation = 3.23 cm). The linear relationship between feldspar accretion and sediment trap vertical accretion – normalized to one calendar year - was not significant and explained only

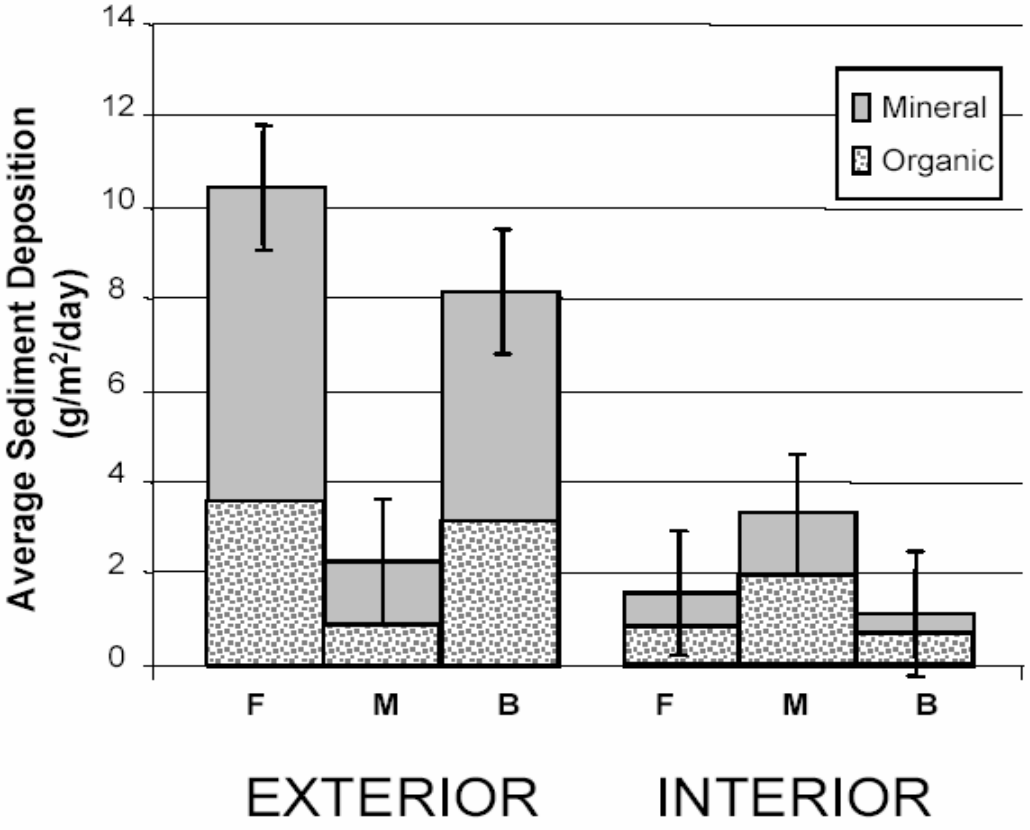

Figure 15: Spatial comparison of habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition patterns within exterior and interior marsh sites show exterior sites receive have more overall deposition.

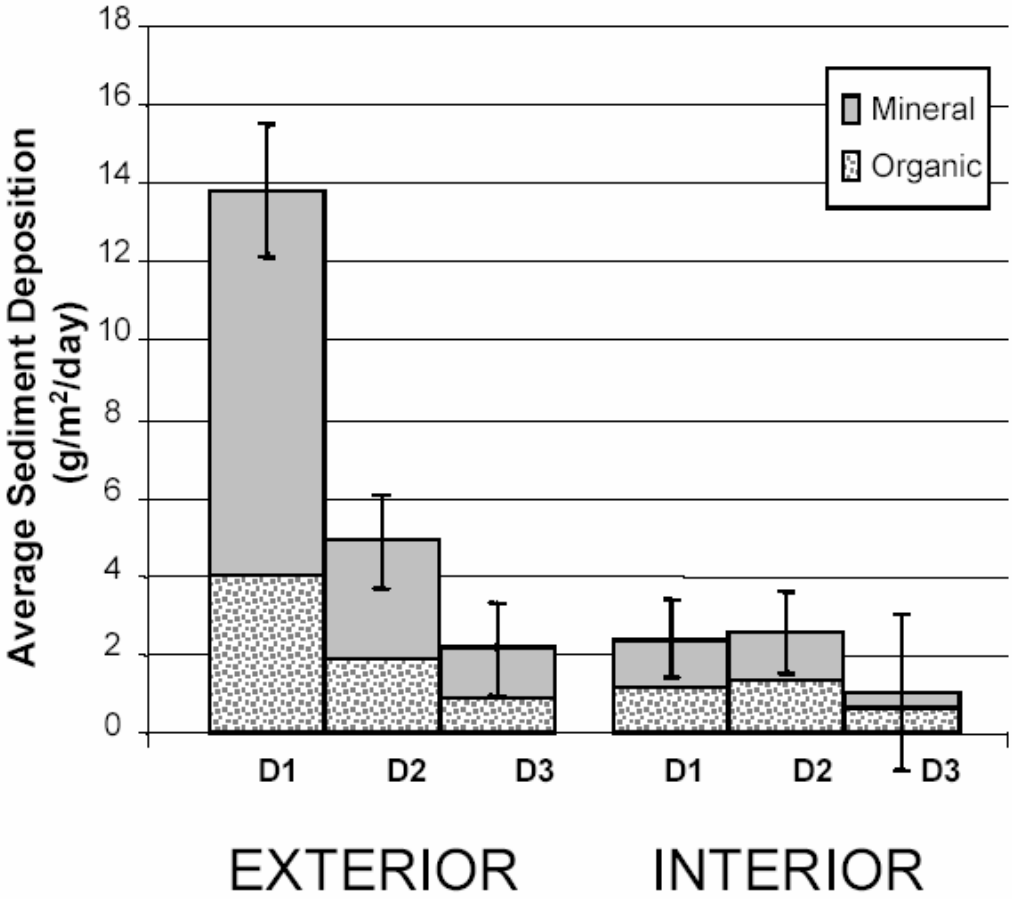

Figure 16: A spatial comparison of interior and exterior marsh deposition with increased distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m) is given.

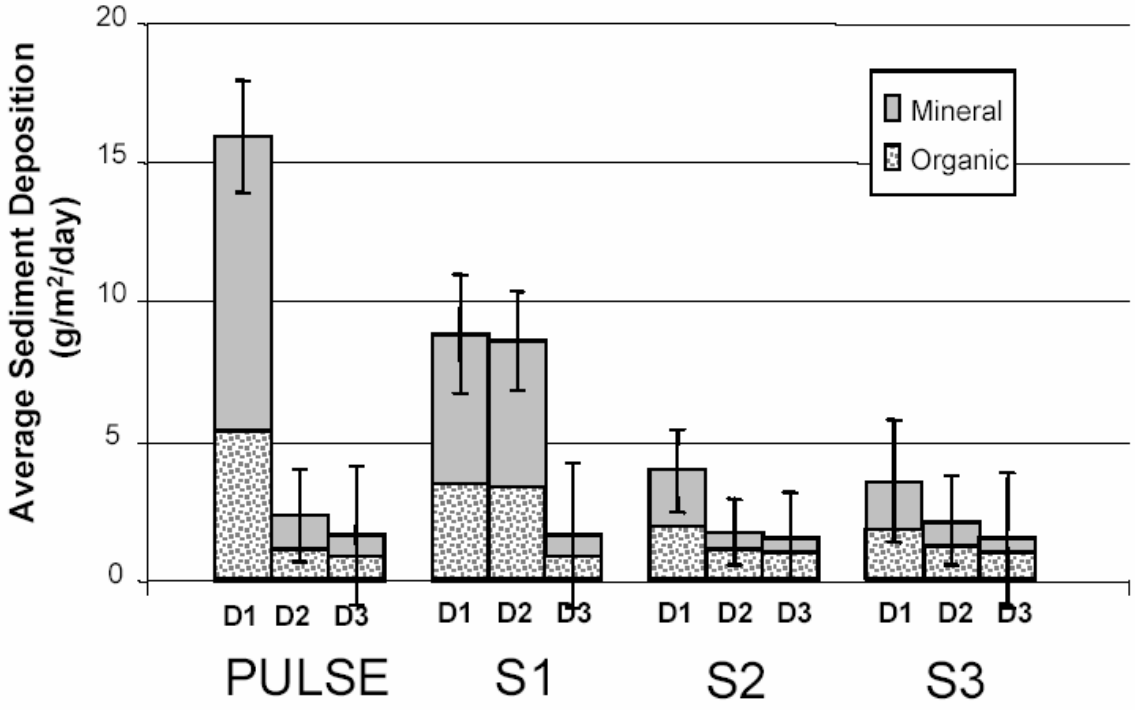

Figure 17: A comparison of marsh sediment deposition with increased distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m) across seasons and pulsing periods (pulse = pulse periods >183 m3/s), S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) shows a significant increase in deposition nearer to the diversion during the pulsing and frontal seasons.

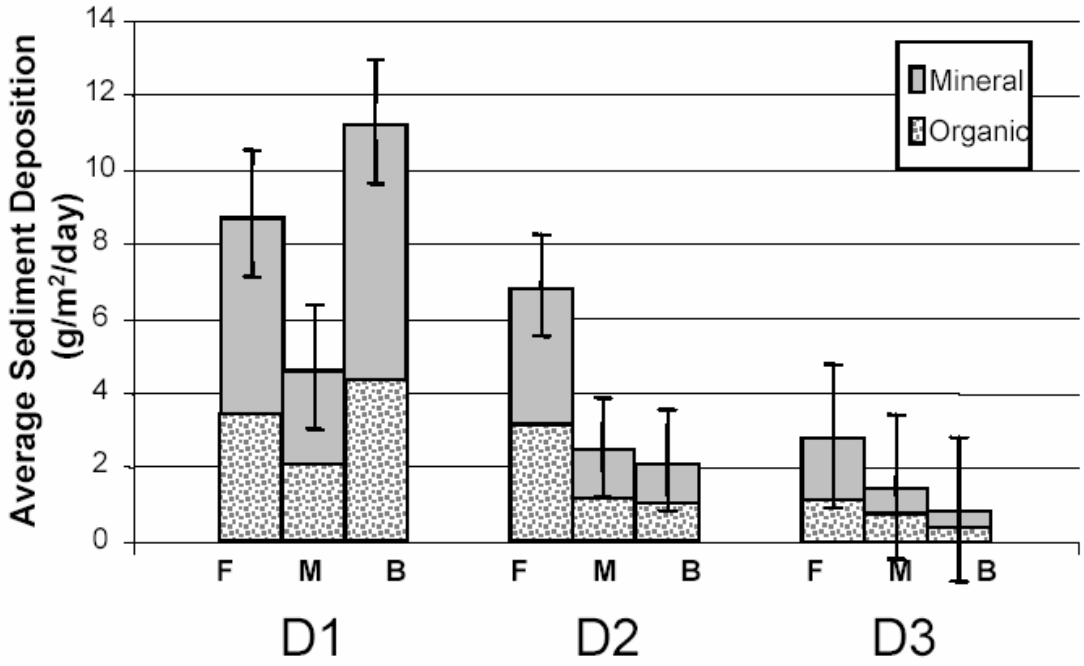

Figure 18: A spatial comparison of habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition patterns are shown with increasing distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m).

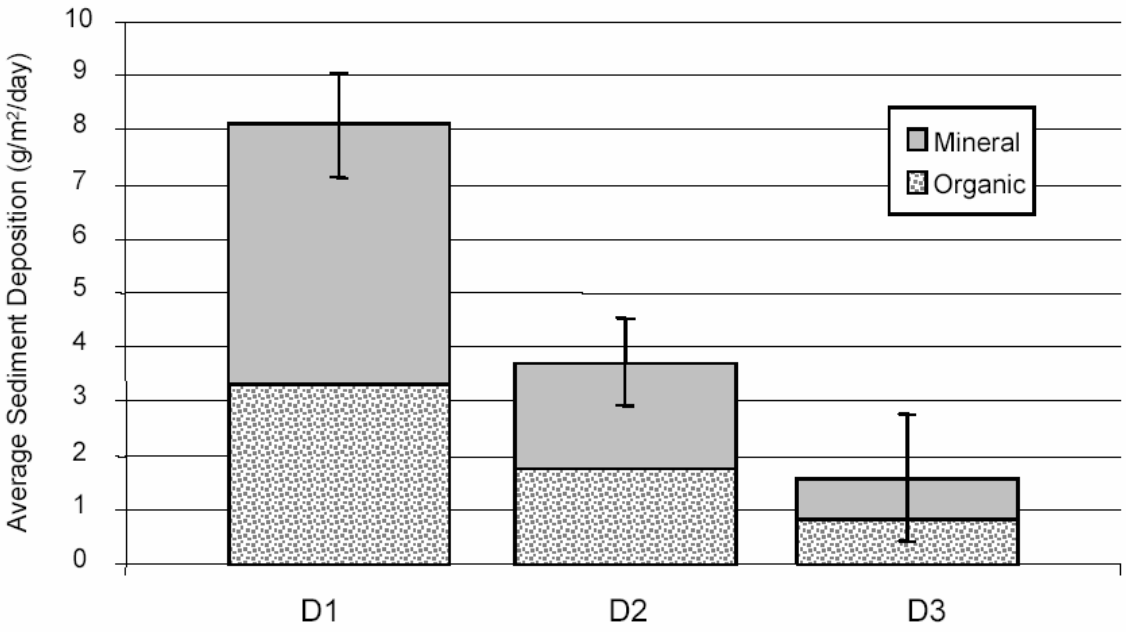

Figure 19: Average sediment deposition by sampling site distance, where D1 = < 6km (n = 5), D2 = 6 to 10 km (n = 6), and D3 = >10 km (n = 3), shows deposition decreases with distance from the diversion.

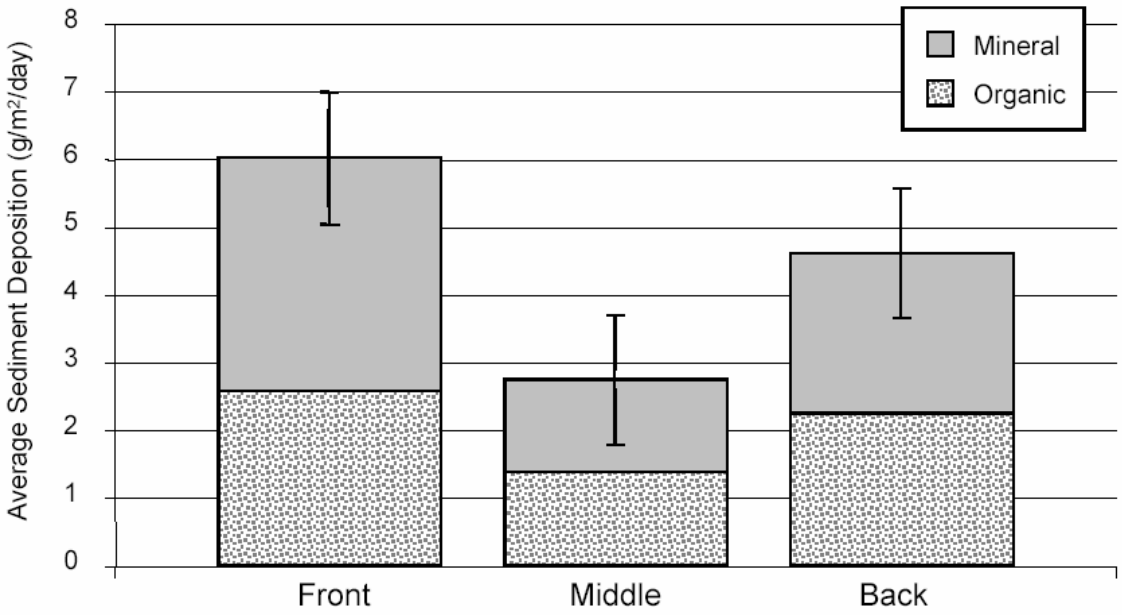

Figure 20: Average sediment deposition by habitat is greatest at the marsh edge (front, 0-2 m), although not significantly greater than deposition at the back marsh (approx. 20m).

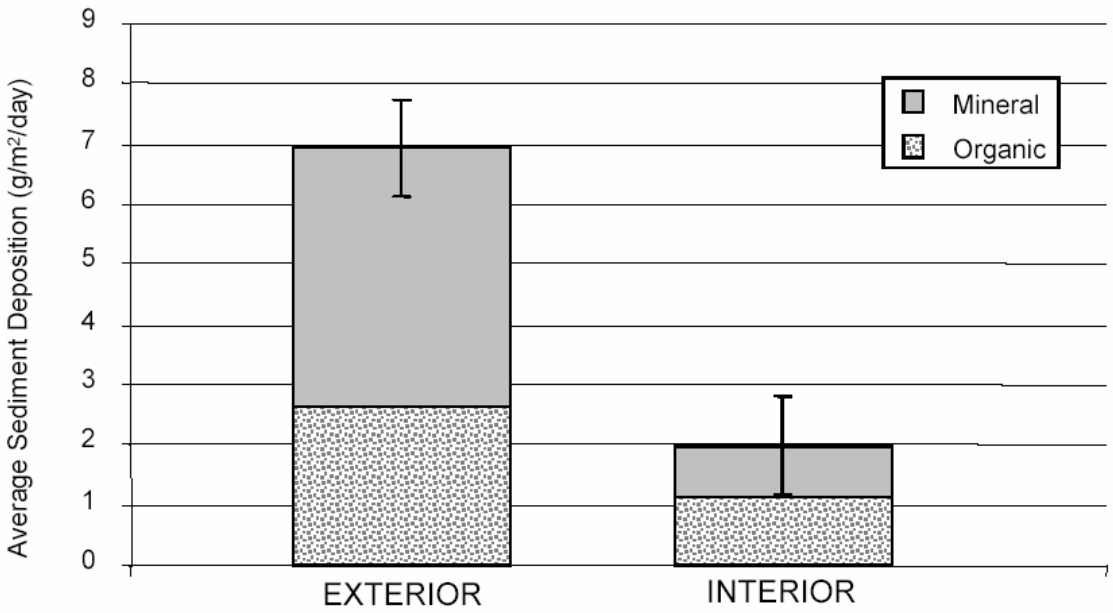

Figure 21: Average sediment deposition by sampling site orientation (interior and exterior) shows significantly more deposition in exterior sites.

35% of the variation ($F=3.77$, $p=0.0931$, $R^2 = 0.35$). Deposition on the sediment traps was converted into vertical accretion using bulk density:

$$A_j = (\sum_{i=0}^{nj} D_{ij})/n_j * \rho_j \quad (4)$$

where A_j is vertical accretion (cm); D_{ij} is deposition (g/cm^2) per site per period; n_j is the number of site deployments; ρ_j is sediment bulk density (g/cm^3); i is number of deployment periods per site; and j is site. A comparison of vertical accretion using the two methods shows that for 7 out of the 9 sites, sediment traps are a more conservative measurement (Fig. 23).

Long term sediment deposition was evaluated to understand changes in deposition rates in the Breton Sound estuary. A long core (40 cm) was collected at Site 432 in September 2001. The 1-cm field sectioned intervals were multiplied by 30% to compensate for sampling compaction in the core. Once corrected, total ^{210}Pb, ^{226}Ra, and ^{137}Cs activity with increasing depth (Figs. 24a and c) indicate a slower accretion rate in the top sediments than in the middle of the core. The clay layer deposited during the 1927 flood was observed to be 15 cm thick beginning at the 9-10 cm core depth. Sediments at the 3 to 10 cm depth have an accretion rate of 0.12 cm/yr while sediments in the clay layer displayed a near vertical profile. A ^{137}Cs peak was detected at the 3 to 4 cm depth interval (Fig. 24c) which qualitatively implies that sediments above this depth were deposited over 38 years, or at a rate of 0.092 cm/yr (using 1963 as the peak in atmospheric activities).

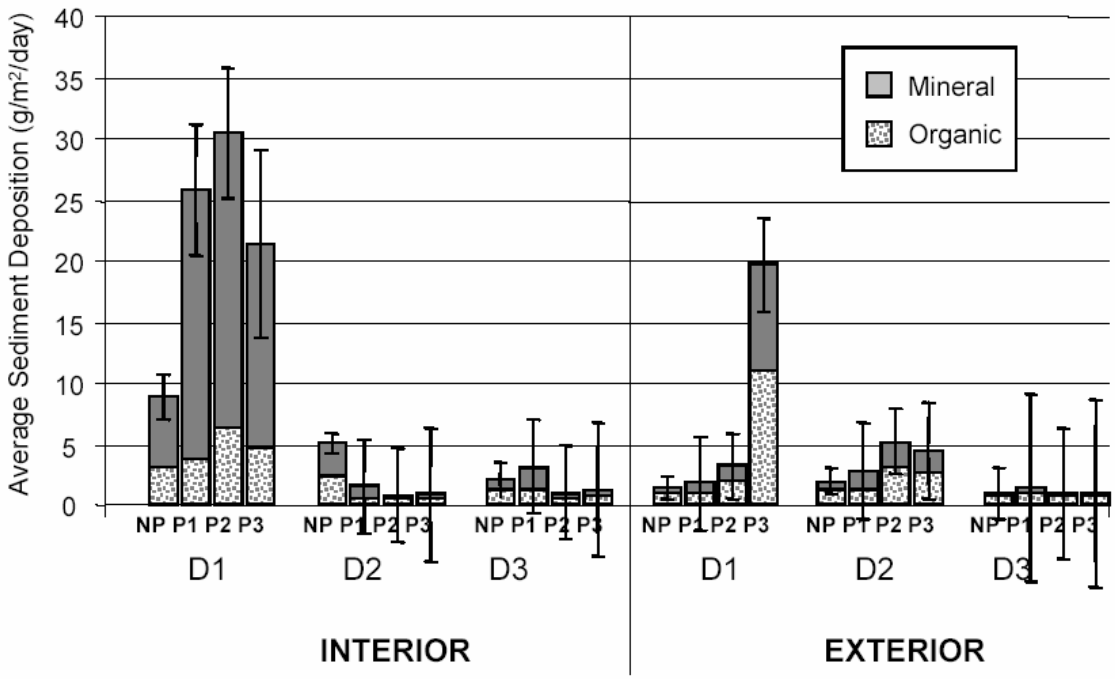

Figure 22: Average sediment deposition by individual pulse events and orientation. Interior sites closest to the diversion (D1) were the most significantly influenced by pulsed discharged. The only significant exterior pulsing deposition occurred during the third pulsed discharge (P3) closest to the diversion (D1).

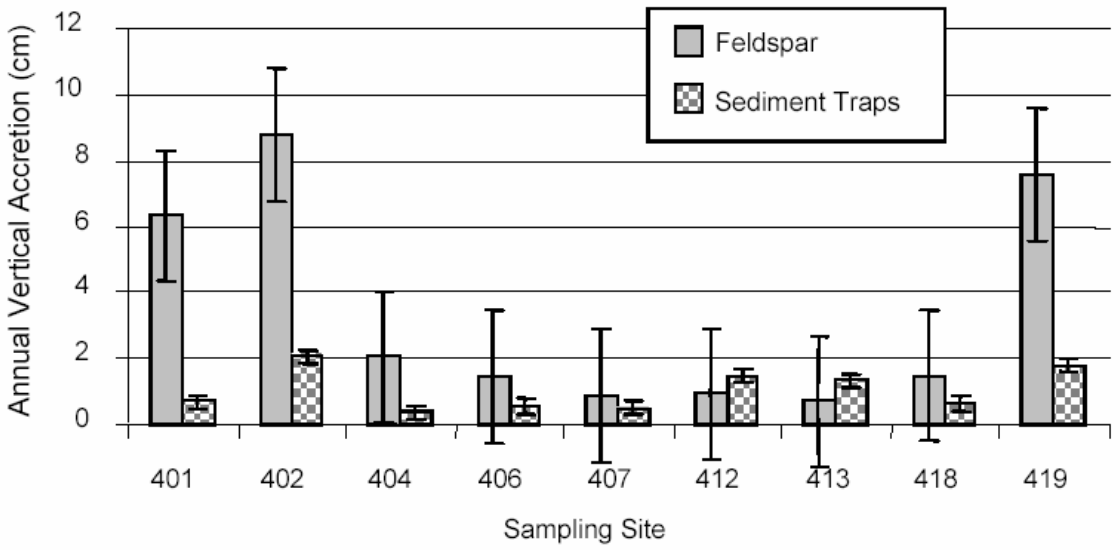

Figure 23: Comparison of vertical accretion measurements is given using sediment traps and feldspar marker horizons at 9 sampling sites. The two methods are poorly correlated ($r^2 = 0.0189$)

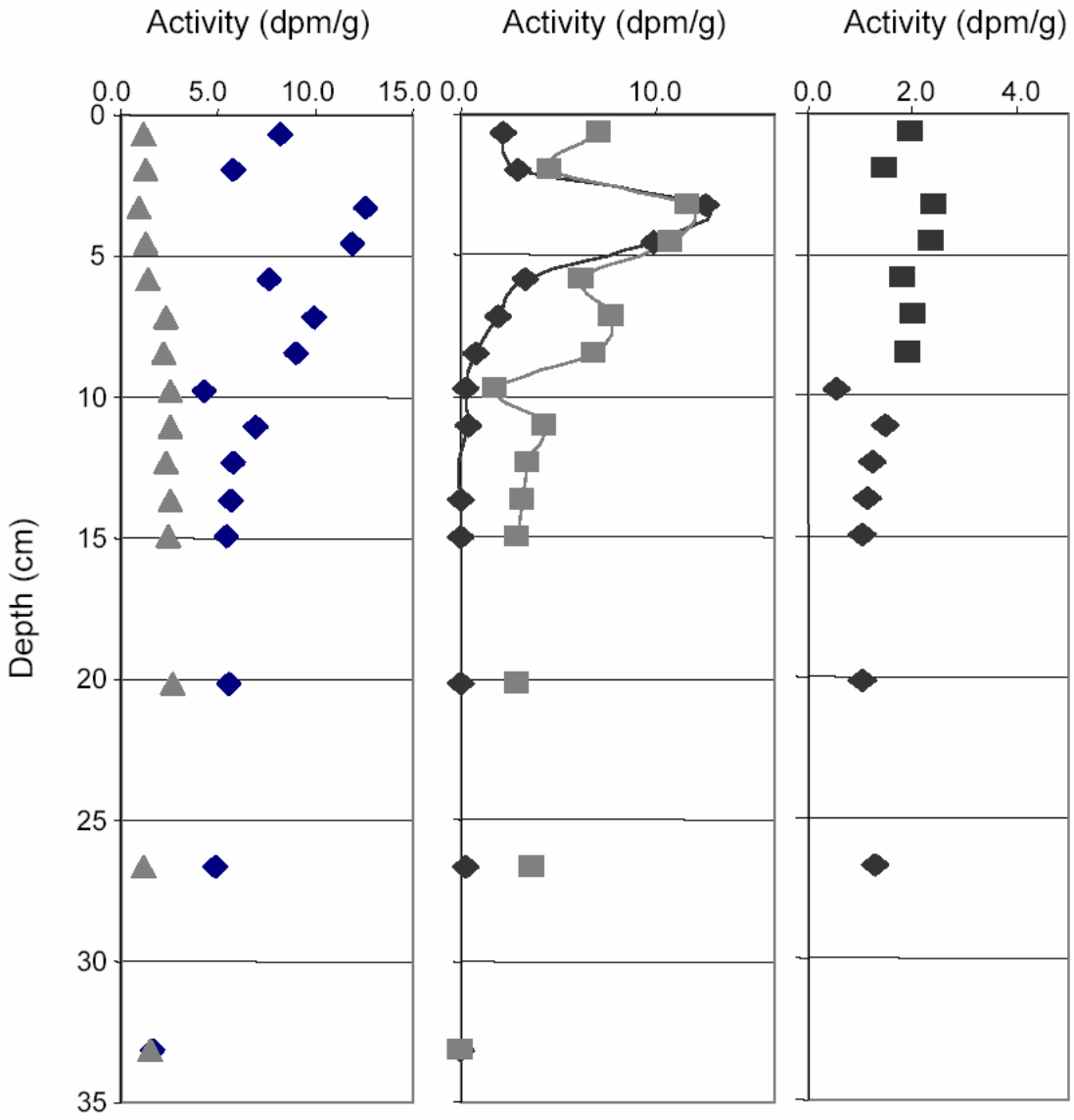

Figure 24: Activity (dpm/g) versus sediment depth (cm) are given for total a) ^{210}Pb (♦) and ^{226}Ra (▲) depth profiles, b) ^{137}Cs (♦) and excess ^{210}Pb (■). The natural log of excess ^{210}Pb (c) is shown versus depth to estimate sedimentation rates.

DISCUSSION

Short-term Sediment Deposition

Using sediment traps to assess short-term sediment deposition is an effective means of analyzing both spatial (French 1995) and temporal depositional patterns (Reed 1989). The success rate of sediment trap samples (89% recovery) after a 2- to 4- week deployment period in this study is remarkable considering Leonard (1997) reported a 7% success rate with the same technique and a 48-hour deployment period in a North Carolina salt marsh where the tidal range is roughly 2m. In freshwater marshes, such as upper Breton Sound estuary, low salinity and small tidal ranges likely contributed to the endurance of the filter traps used in this study. Collecting sediment traps while the marsh was inundated created tension on the sediment sample at the water-air interface which caused small amounts of sample loss. Although every effort was made to minimize such losses, the effect caused such samples to be a conservative representation of deposition. However, not only is it possible that the capture efficiency of filter pad traps may mimic that of the marsh surface (Kemp et al. 1999), it is also possible that the loss of sediment at the air-water interface mimics the losses experienced when the marsh drains.

Sediment deposition on marshes results from a complex set of conditions in which prevailing winds, water velocity, water levels or tides, river flow, and suspended solid loads all contribute to marsh surface delivery. The spatial and temporal variability in sediment deposition on sediment traps in south Louisiana marshes is well documented (Reed 1989; French et al. 1995; Kemp et al. 1999). Sediment deposition is a discontinuous process limited by the availability of total suspended solids (TSS) and the opportunity for them to be deposited on the marsh surface through inundation (Reed 1989). Wind direction is a major

controlling factor in providing both TSS and water levels high enough for marsh delivery (Walker and Hammack 2000). Further, the orchestration of peak river sediment transport and winter cold-front passages can optimize sediment deposition (Mossa and Roberts 1990). The Caernarvon diversion delivers sediment into the northernmost reach of the Breton Sound estuary, but strong or sustained south winds can dampen diversion flow and sequester diverted sediment in the northern estuary, thus preventing deposition in the lower reaches. On the other hand, north winds from cold fronts promote resuspension and transport of sediments stored in large ponds (i.e. Big Mar and Lake Lery) and channels (Perez et al. 2000) and the transport of diverted sediment further south into the estuary.

Statistical analysis revealed that deposition in Breton Sound estuary varies by season, with distance from the diversion ("new" sediment source), and with proximity to a major waterway. The seasonal variation is consistent with results reported for Louisiana marshes and largely due to sediment resuspension and availability during and after winter frontal passages (Reed 1989; Cahoon et al. 1995). Decreased deposition with increased distance from the sediment source is consistent with results reported for North Carolina marshes (Leonard 1997). Of the three high-intensity fluvial pulses diverted from the Mississippi River into Breton Sound estuary, only the third pulse was significant for both interior and exterior sites. However, the third pulse, which occurred during a low river stage, delivered only 10% (10,325 metric tons) of the total sediment delivered during the pulsing season (Fig. 25). Nonetheless, the third pulse was the only flooding event that coincided with north winds. Thus, high diversion water levels from pulse 3 and accommodating winds allowed sediments previously sequestered by south winds to be resuspended and effectively transported.

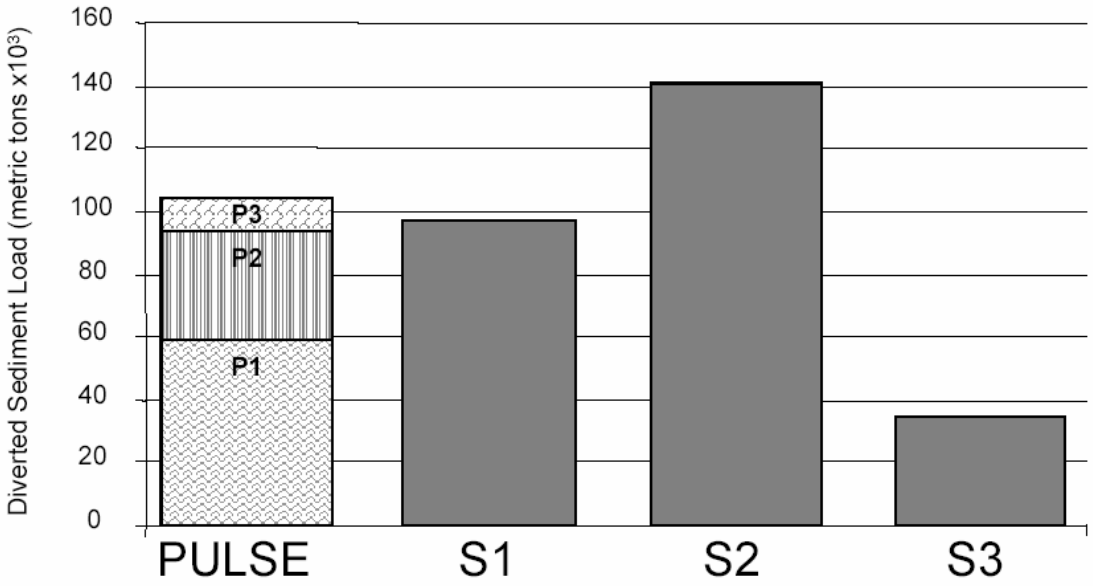

Figure 25: Estimate of TSS delivered through diversion by season. The pulse season is broken down by pulsing events: P1 = March 7-22, 2001; P2 = January 27 – February 10, 2002; and P3 = March 5-17, 2002.

No single site represents all of the general statistical findings with respect to pulsing, season, distance, orientation, and habitat. For example, Site 402, an interior marsh site located 7.74 km (D2) SSE of the diversion is representative of interior marsh inundation and depositional patterns (Fig. 5). Interior marsh site deposition averaged 1.98 g/m^2/day of total dry sediment and 56.6% organic material (Fig. 21), but at Site 402 deposition averaged 3.98 g/m^2/day which is about 200% higher than the interior average. This site is in contrast to other distance class 2 sites where none of the pulse events were significant to overall interior site deposition when compared to non-pulse deposition (n=3). Site 402 was adjacent to a large interior pond and more characteristic of interior sites in distance class 1 which responded positively to high-intensity diversion inputs (Fig. 22). Average water levels at each cage pairing over 6 sediment trap deployment periods are shown from January to mid-June of 2002 at Site 402 (Fig. 26a). The least vertical movement (maximum = 6 cm) for interior marsh sites was recorded at Site 402 and therefore, had the most reliable interior inundation data. The two cages located in the back marsh where elevations were lowest received the most flooding and sediment deposition. Sediment deposition increases with increased marsh inundation depth and duration through March 2002 (Fig. 26b), a period of time with elevated water levels in the estuary due to dominating south winds (Fig. 6b) and two high-intensity fluvial pulsing events (Fig. 6a). By April, the frontal season has ended, north winds begin to dominate (Fig. 6b), and fluvial diversion activity is at a minimum (Fig. 6a). As a result, water is drained from the estuary and sediment supplies to the interior marsh are depleted. These analyses suggest that interior marsh sampling sites located near the diversion benefit

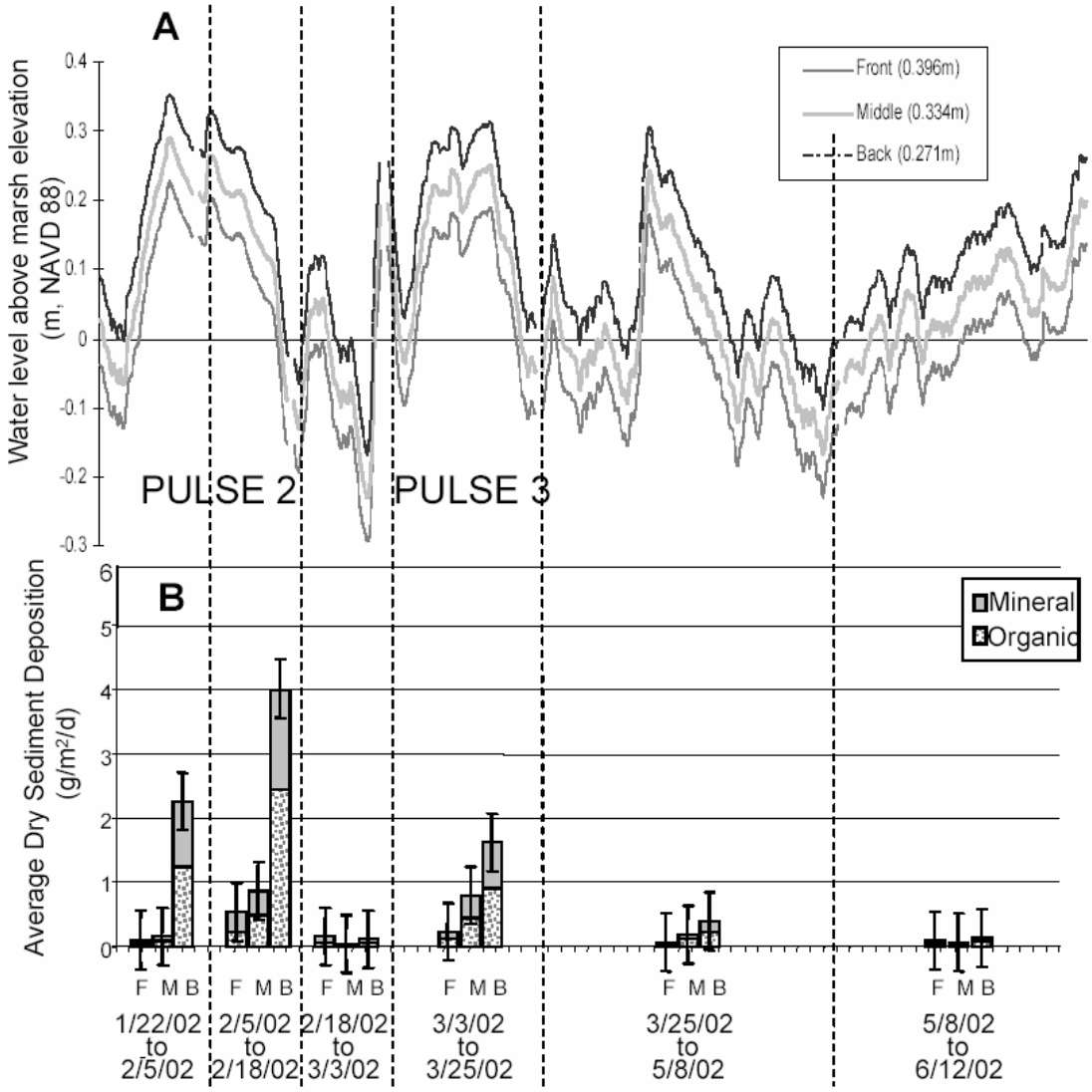

Figure 26: Levee edge (F, front), middle (M), and back (B) marsh hydroperiod (a) and average sediment deposition (b) are given here for Site 402 from 1/1/02 to 6/12/02.

substantially with respect to mineral sediment deposition from high-intensity freshwater diversion pulses.

Deposition at sites greatest in distance (class 3) from the diversion was not significant with respect to orientation or season and all sites demonstrated high variability (Fig. 22). Site 418, an exterior marsh site located 15.26 km (D3) SSE of the diversion is representative of exterior marsh depositional patterns (Fig. 5). Exterior marsh site deposition averaged 6.95 g/m^2/day of total dry sediment - roughly 3.5 times greater than average interior deposition - and 37.9% organic material (Fig. 21). Figure 27a shows average water levels per cage pairing over 6 sediment trap deployment periods from January to May of 2002 at Site 418. Cages located in the back and middle marsh where elevations were lowest and nearly identical received the most flooding, but not always the most sediment deposition. It is possible the high amount of swash from recreational boat traffic passing this sampling site contributed greatly to deposition at the marsh edge (front cage pairing), which is rarely flooded (Fig. 27b). Sediment deposition is aligned with inundation intensity and duration although not as discretely as that of interior Site 402. None of the high-intensity pulses were significant at exterior sampling sites within distance class 2 (n=2) or class 3 (n=2) when compared to deposition during non-pulse deployment periods (Fig. 22). Dominant south winds from January to March 2002 prevented fluvial water and sediment from reaching this site. And, given this site's location within the estuary, deposition was more likely related to marine pulsing in the estuary and subsequent off-shore sediment delivery. By April, the frontal season has ended, north winds begin to dominate (Fig. 6b), and fluvial diversion activity is at a minimum (Fig. 6a), however, deposition at Site 418 does not decrease. Consistent with findings in Fourleague Bay, Louisiana (Cahoon et al. 1995; Perez et al.

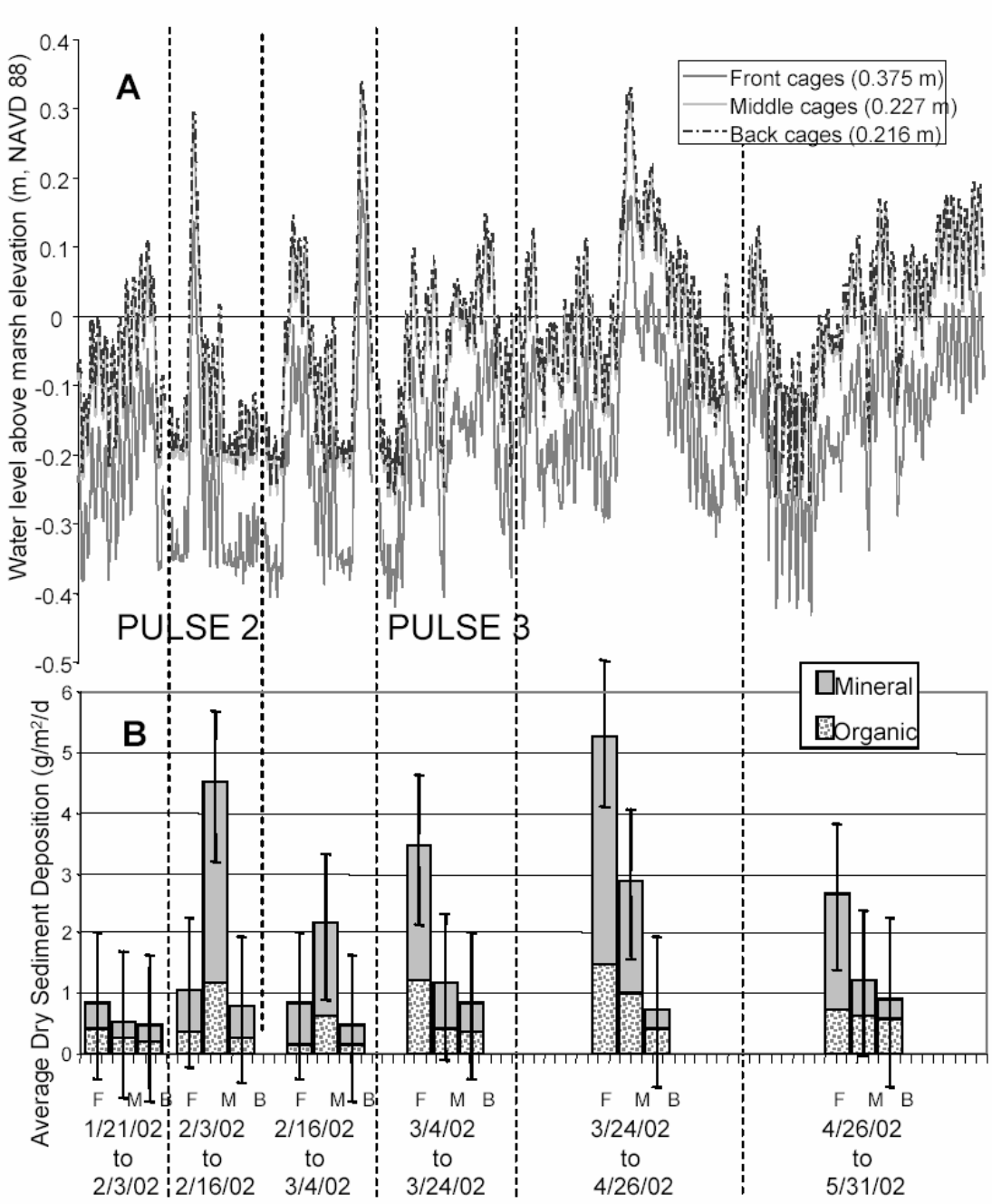

Figure 27: Levee edge (F, front), middle (M), and back (B) marsh hydroperiod (a) and average sediment deposition (b) are given here for Site 418 from 1/1/02 to 6/12/02.

2000), a change in prevailing winds from south to north during the third pulse event increased sediment availability and created a more persistent depositional regime even after the pulse ended. This process delivered sediment further south in the estuary as waters drained to the Gulf of Mexico and maintained deposition levels at Site 418 though May 2002. While diverted fluvial waters certainly provide a necessary mineral sediment source for exterior marsh sites, these analyses suggest that sediment deposition for exterior sites during the winter and early spring months is controlled equally by marine and fluvially dominated transport mechanisms.

Marsh Mat Movement and Vertical Accretion

Vertical movement indicators were installed at all sampling sites from February to August of 2002 (Table B5). Vertical marsh movement recorded at exterior sites was not significantly different from zero. Maximum interior site vertical marsh movement was significant and ranged from 6 to 23.5 cm (Table 3). Maximum movement for all sites was measured in either May or June of 2002. These findings are also consistent with measurements taken at the mouth of the Atchafalaya River using the same method where it appears that mat movement occurs most critically in the summer months when anaerobic activity in the marsh substrate is highest (Holm et al. 2000). Bulk densities measured at each sampling site in Breton Sound estuary ranged from 0.0674 and 0.2042 g/cm^3 (Table 3) and are similar to bulk densities measured at the mouth of the Atchafalaya River, LA (Holm et al. 2000) and along the Gulf coast prior to Hurricane Andrew (Cahoon et al. 1995). Analyses reveal that high organic fractions lead to lower bulk densities which promote vertical oscillations of the marsh mat in response to changes in water levels (Fig. 12) These findings are supported by past marsh mat movement studies in coastal Louisiana where it was

concluded that increased mineral deposition limits mat movement (Sasser et al. 1994, Sasser et al. 1996; Holm et al. 2001). Cores taken at exterior sampling sites generally contained less than 50% organic material and bulk densities ranged from 0.12 to 0.20 g/cm^3. In contrast, interior sites generally contained greater than 50% organic material and bulk densities ranged from 0.07 to 0.12 g/cm^3. Mineral sediments are the foundation for land building, which can only be delivered to the marsh surface under flooded conditions. Thus, degradation of the interior marsh may be self-perpetuating. On the other hand, Holm et al. (2000) suggest fresh marsh mat movement is a defense mechanism for predominantly organic substrates subject to net sediment export during flooding and subsidence due to fluvial cutoffs. Lower fractions of mineral sediments mean the marsh surface will rise and fall with gradual changes in water height. The northernmost interior sites, those with the most vertical movement in May and June, likely responded to all three pulses because the rate of overbank flooding exceeded the rate of marsh movement in the winter months.

Feldspar horizon marker accretion at 9 sites was measured after deployment periods ranging from 362 to 506 days (Table B4). In order to make annual comparisons, the values were normalized to a 365-day deployment time. Vertical accretion measured using horizon markers was generally larger than accretion calculated from deposition on sediment traps (Fig. 23). This trend is consistent with the same comparison made in the Atchafalaya Delta, Louisiana (Kemp et al. 1999). A regression analysis of vertical accretion results from sediment traps and feldspar markers in this study are moderately correlated ($R^2 = 0.3514$; Fig. C6). Accretion is the net effect of sediment deposition, vegetative deadfall, and root formation and factors that counter accretion include erosion, shallow subsidence, oxidation of organic material, and compaction. Each of these processes can occur at various depths in the marsh substrate ranging from the < 1

cm (sediment deposition, deadfall, oxidation and erosion) to as deep as 10 cm (root formation, compaction and shallow subsidence). Therfore, measurement of vertical sediment accretion using feldspar markers can be affected by bioturbation, infauna and epifauna, mixing, and root formation (Cahoon and Turner 1989). In many cases in this study, the marker on the cores was unobservable or indiscrete, particularly in sites densely vegetated with *Spartina patens*. Therefore, the large annual accretion values measured in this study may be due to mixing in the vegetated root zone, thus forcing the marker layer down into the marsh substrate. Burial of the marker below the root zone effectively measures marsh surface deposition and belowground production (Reed and Cahoon 1993), thus exaggerating the annual accretion value. Comparisons of marsh mat movement to vertical accretion by sediment traps and feldspar marker measurements indicate weak relationships where $R^2 = 0.0348$ (Fig. C7) and $R^2 = 0.0152$ (Fig. C8), respectively. Hence, factors limiting marsh mat movement are more associated with the material content of short-term sediment deposition (i.e. organic fraction) than with sheer volume of sediment deposition. Further, vertical movement caused by mat expansion, as opposed to flotant marsh, can confound feldspar data collected in the late spring/early summer when mat movement is greatest or anytime the marsh is saturated. While these short-term sedimentation methods (traps and markers) are useful for making spatial and pulsed event comparisons, a long-term sediment deposition technique is more accurate for drawing conclusions with respect to accretion rates.

Long-term Sediment Deposition

Calculations from sediment traps at Site 432 indicate marsh vertical accretion is 2.25 cm/yr, but excess ^{210}Pb measurements recorded at the same site reveal a much slower rate of 0.026 cm/yr from sediment depths of 3 to 10 cm (Fig. 24b). Further, while the 1927 clay

layer was observed in the core between 6 an 18 cm, the ^{210}Pb activities are not uniform and appear to decrease with depth. It is possible that not all of the clay was deposited in the Site 432 instantaneously. Once the levee was breached, fluvial waters were likely discharged into Breton Sound for weeks to months allowing a residual flow of suspended clays into the estuary. Furthermore, clays that were deposited in the estuarine channels and lakes were available for resuspension and deposition for many years following the flood event of 1927. The ^{137}Cs spike at a depth of 3 cm derives an annual accretion rate of 0.066 cm/yr (Fig. 24b). Since short-term sediment trap measurements do not capture the effects of compaction and decomposition, the accretion rate calculated from them are expected to be inflated. Comparisons of these ^{210}Pb and ^{137}Cs rates to past measurements made in restricted fresh marshes suggest that rates of deposition in upper Breton Sound estuary are dramatically slower than other Louisiana marshes. For example, ^{137}Cs measurements taken from cores in fluvially restricted fresh marshes in Terrebonne Parish, LA revealed considerably faster deposition rates of 0.67 cm/yr (Nyman et al. 1990) and 0.90 to 0.99 cm/yr (DeLaune et al. 1989). It is possible that the slow long-term depositional rates at Site 432 pale in comparison to short-term deposition patterns due to high rates of decomposition, compaction and detrital export. However, quantitative information regarding these parameters is needed in order to draw a definite conclusion.

The three high-intensity pulse events through the Caernarvon freshwater diversion structure delivered a rough estimate of 104,100 metric tons of sediment into Breton Sound estuary (Snedden, 2004, in prep.), or 0.06% of the estimated lower Mississippi River annual suspended load (170 x 10^6 metric tons; USACE). From monthly grab samples taken at the diversion outfall (Hyfield, 2003, in prep.), seasons 1 (d = 89) and 2 (d = 122), characterized

by intermittent diversion discharges of 0, 14, and 114 m^3/s, delivered just as much sediment into the area as the pulsing season (d = 42; Fig. 25). Deposition of available TSS during season 1 is aided by frontal passages, while season 2, characterized by calm winds and low precipitation, does not have overbank transport.

Average total sediment delivery from the Mississippi River into Breton Sound estuary is estimated to be 382,409 metric tons/yr (3.82×10^{11} g/yr). While the 2,740 km^2 area of Breton Sound estuary contains 745 km^2 of marsh land (LA Coast, 2002), the Army Corp of Engineers' project plan (1989) maintains the Caernarvon diversion will benefit 64.75 km^2 (6.48×10^7 m^2) of marsh land. Therefore, the following calculation derives the $g/m^2/yr$ of diverted sediment ideally available for marsh deposition:

$$S_f/A = D_i = 5{,}895 \text{ g/m}^2\text{/yr} \quad (5)$$

where S_f is the estimated annual flux of sediment into the estuary, A is the area of marsh land benefited, and D_i is ideal sediment deposition. Short-term average deposition for the entire research period across all sites was 3.37 $g/m^2/d$, which is proportional to an annual average of 1,230.05 $g/m^2/yr$. Mass sedimentation models for the area report that 2,500 $g/m^2/yr$ are required for net land gain (Templet, 2001, pers. comm.). While the diversion provides ample suspended sediments (5,895 $g/m^2/yr$) to reach this modeled goal for net land gain (2,500 $g/m^2/yr$), actual marsh deposition (1,230.05 $g/m^2/yr$) lags far behind. `This clearly indicates that the volume of sediment being delivered by the diversion is adequate but the transport mechanism to the marsh surface is not. In addition, the composition of suspended sediment loads delivered to Breton Sound Basin is primarily fine-grained clays and silt. Coarser grained sediments are primarily responsible for land-building in deltaic environments. The

combined effects of inadequate transport to marsh surfaces and fine-grained sediments likely contribute to the current slow land-building in Breton Sound estuary.

The problem is intensified when long-term deposition rates, which are much slower than those measured by short-term methods, are applied as a more conservative estimate across the basin. As shown in Table 3, Site 432 had the highest rate of vertical accretion of all the sampling sites (2.25 cm/yr), yet the long-term deposition rate over the last 75 years is significantly lower (0.12 cm/yr) in the top marsh (3-10 cm). The discrepancy between ^{210}Pb sedimentation rates in the upper core and sediment trap deposition rates likely results from the effects of organic material compaction and decomposition through time. The accretion rate at mid-depth (10-25 cm), which contained the 1927 clay deposits, displayed a near vertical profile indicating extremely rapid deposition.

Relative sea level rise in upper Breton Sound estuary may be as much as 0.36 cm/yr, considering rates of GSLR equal to 0.18 cm/yr (NASA 2001) and local subsidence also equal to 0.18 cm/yr (LA Coast, 2002)), indicating that long-term accretion rate are lagging behind RSLR by as much as 66%. In the project justification, the US Army Corps of Engineers (1989) contended that 6.48×10^7 m^2 of marsh would be preserved due to the Caernarvon Diversion. The annual diverted sediment load being introduced to the estuary over the research period was 3.82×10^{11} g/yr. Assuming an even and 100% deposition of incoming sediment onto this marsh area, an ideal deposition rate of 5,895 g/m^2/yr would be expected. Using the long-term deposition rate of 0.12 cm/yr as the worst case scenario and multiplying the known bulk density, Site 432 is only receiving 204 g/m^2/yr, or is capturing 3.5% of available sediment in the estuary. Conversely, using short-term deposition as the best case scenario, the average deposition over the entire upper estuary is 1,230 g/m^2/yr, or has a 21%

capture rate of available sediment. It can be assumed that the material which is not being deposited on the marsh surface is settling out in ponds and channels, or being fluvially transported out to the Gulf of Mexico. Assuming that measuring long-term deposition is the most accurate method to assess depositional trends over the late 20th century, these analyses suggest that land building in upper Breton Sound estuary is not keeping pace with RSLR.

The State of Louisiana has limited time frames in which the Caernarvon freshwater diversion can operate at a high discharge (>183 m^3/s) due to the pressures effects on private land owners, commercial fisheries, and hunting in the estuary. During late winter/early spring storm fronts, the river is at maximum sediment carrying capacity, north winds are available for transport, and the inclement weather will likely reduce commercial and recreational activities in the estuary. Perhaps opening the diversion to discharges greater than 183 m^3/s during late winter/early spring, particularly during frontal events would optimize sediment availability with adequate transport mechanisms to marshes.

CONCLUSIONS

The use of glass fiber filter pads as sediment traps to measure short term sediment deposition in freshwater marshes is highly effective. Sediment traps also seem to be a more effective method than feldspar markers for accurately quantifying short-term deposition in marshes that are densely vegetated and have a high fraction of organic sediment. Future studies of vertical accretion derived from sediment trap deposition would be more effective for comparisons with longer time scales if they can be calibrated for rates of decomposition and compaction.

Depositional trends are apparent in site distance, orientation, and habitat, but the interaction between these three spatial parameters is most representative of depositional patterns within upper Breton Sound marshes. Temporal and spatial analysis of sediment deposition indicates diverting freshwater into Breton Sound estuary primarily benefits interior marsh sites within 6 km of the diversion outfall, particularly during the pulsing and frontal seasons. While diverted fluvial waters certainly provide a necessary mineral sediment source for exterior marsh sites, these analyses suggest that sediment deposition for exterior sites during the winter and early spring months is controlled equally by marine and fluvially pulsing. Local deposition patterns within each sampling site differed between site orientations and revealed a significant decrease in middle marsh deposition within exterior sites and no significant deposition location within the interior marsh sites.

The volume of sediment being delivered by the Caernarvon freshwater diversion is adequate to sustain elevations in the Breton Sound estuary, but the fine-grained sediment composition and transport mechanism to the marsh surface is not. Maximizing marsh surface

sediment deposition in isolated wetlands requires appropriate timing to maximize river sediment load and estuarine transport mechanisms (i.e. wind and marsh sheet flow).

In order to keep pace with RSLR in the upper Breton Sound estuary, pulsing riverine waters into the basin should be done to maximize the river's suspended sediment load and to utilize storm front opportunities to increase transport to the marsh surface.

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APPENDIX A: STATISTICAL MODELS

Model A1: Filter loss analysis (log)

```
0   dm'log;clear;output;clear';
31   options nodate nocenter pageno=1 ls=78 ps=55;
32
33   data filters;
34   input filter $ weight @@;
35   cards;

NOTE: SAS went to a new line when INPUT statement reached past the end of a
      line.
NOTE: The data set WORK.FILTERS has 24 observations and 2 variables.
NOTE: DATA statement used:
      real time           0.00 seconds
      cpu time            0.00 seconds


48   ;
49
50   proc print; run;

NOTE: There were 24 observations read from the data set WORK.FILTERS.
NOTE: PROCEDURE PRINT used:
      real time           0.00 seconds
      cpu time            0.00 seconds


51
52   proc means T;
53   var weight;
54   run;

NOTE: There were 24 observations read from the data set WORK.FILTERS.
NOTE: PROCEDURE MEANS used:
      real time           0.09 seconds
      cpu time            0.01 seconds


55
56   proc ttest;
57   class filter; var weight;
58   run;

NOTE: There were 24 observations read from the data set WORK.FILTERS.
NOTE: PROCEDURE TTEST used:
      real time           0.01 seconds
      cpu time            0.01 seconds
```

Model A2: Pan loss analysis (log)

```
59   dm'log;clear;output;clear';
60   options nodate nocenter pageno=1 ls=78 ps=55;
61
62   data pans;
63   input panID pan $ weight @@;
64   cards;

NOTE: SAS went to a new line when INPUT statement reached past the end of a
      line.
NOTE: The data set WORK.PANS has 87 observations and 3 variables.
NOTE: DATA statement used:
      real time           0.00 seconds
      cpu time            0.00 seconds


94   ;
95
96   proc print; run;

NOTE: There were 87 observations read from the data set WORK.PANS.
NOTE: PROCEDURE PRINT used:
      real time           0.00 seconds
      cpu time            0.00 seconds


97
98   proc GLM;
99   class pan panID;
100  model weight = pan panID;
101  means pan/LSD;
102  lsmeans pan/stderr pdiff;
103  run;

NOTE: Means from the MEANS statement are not adjusted for other terms in the
      model.  For adjusted means, use the LSMEANS statement.
```

Model A3: Sediment trap analysis (log)

```
1    dm "log;clear;output;clear";
2    options nodate nocenter pageno=1 ls=96 ps=51;
3
4    data pulse; title 'PROC GLM for ALL DATA';
5    input  site Days org sed d e H O pul s dclass yr;
6    cards;

NOTE: The data set WORK.PULSE has 813 observations and 12 variables.
NOTE: DATA statement used:
      real time           0.51 seconds
      cpu time            0.02 seconds

820  ;
821  proc print; run;

NOTE: There were 813 observations read from the data set WORK.PULSE.
NOTE: PROCEDURE PRINT used:
      real time           0.51 seconds
      cpu time            0.06 seconds

822
823  proc glm data=pulse;
824  class yr o s h dclass;
825  model sed=  s yr(s)
826  o o*s o*yr(s)
827  dclass dclass*s o*dclass o*dclass*s o*dclass*yr(s)
828  h h*s h*dclass h*o h*s*dclass h*s*o h*dclass*o ;
829  random yr(s) o*yr(s) o*dclass*yr(s)/test;
830  lsmeans s/pdiff stderr;
831  lsmeans dclass/pdiff stderr;
832  lsmeans o/pdiff stderr;
833  lsmeans s*dclass/pdiff stderr;
834  lsmeans o*s/pdiff stderr;
835  lsmeans o*dclass/pdiff stderr;
836  lsmeans h/pdiff stderr;
837  lsmeans h*s/pdiff stderr;
838  lsmeans h*dclass/pdiff stderr;
839  lsmeans h*o/pdiff stderr;
840  lsmeans h*s*dclass/stderr;
841  lsmeans o*s*dclass/stderr;
842  lsmeans o*dclass*h/stderr;
843  lsmeans h*s*o/stderr;
844  run;

NOTE: TYPE I EMS not available without the E1 option.
845

NOTE: PROCEDURE GLM used:
      real time           0.99 seconds
      cpu time            0.23 seconds
```

Model A3: Sediment trap analysis (log)

```
846  proc glm data=pulse;
847  class yr o s h dclass;
848  model org =  s yr(s)
849  o o*s o*yr(s)
850  dclass dclass*s o*dclass o*dclass*s o*dclass*yr(s)
851  h h*s h*dclass h*o h*s*dclass h*s*o h*dclass*o ;
852  random yr(s) o*yr(s) o*dclass*yr(s)/test;
853  lsmeans s/pdiff stderr;
854  lsmeans dclass/pdiff stderr;
855  lsmeans o/pdiff stderr;
856  lsmeans s*dclass/pdiff stderr;
857  lsmeans o*s/pdiff stderr;
858  lsmeans o*dclass/pdiff stderr;
859  lsmeans h/pdiff stderr;
860  lsmeans h*s/pdiff stderr;
861  lsmeans h*dclass/pdiff stderr;
862  lsmeans h*o/pdiff stderr;
863  lsmeans h*s*dclass/stderr;
864  lsmeans o*s*dclass/stderr;
865  lsmeans o*dclass*h/stderr;
866  lsmeans h*s*o/stderr;
867  run;

NOTE: TYPE I EMS not available without the E1 option.
868

NOTE: PROCEDURE GLM used:
      real time           0.73 seconds
      cpu time            0.22 seconds

869  proc GLM;
870  title2 "pulse by orientation and distance"; class o dclass pul;
871  model sed = o pul dclass o*dclass o*pul dclass*pul o*dclass*pul ;
872  lsmeans o*dclass*pul/stderr pdiff;
873  lsmeans pul/stderr pdiff;
874  run;

875

NOTE: PROCEDURE GLM used:
      real time           0.15 seconds
      cpu time            0.06 seconds

876  proc GLM;
877  title2 "organic pulse by orientation and distance"; class o dclass pul;
878  model org = o pul dclass o*pul dclass*pul o*dclass o*dclass*pul;
879  lsmeans o*dclass*pul/stderr pdiff;
880  lsmeans pul/stderr pdiff;
881  run;
```

Model A4: Vertical movement indicator analysis (log)

```
193  dm "log;clear;output;clear";
194  options nodate nocenter pageno=1 ls=96 ps=51;
195
196  data pulse; title1 "Vertical movement, organics, and bulk density";
197  input site d o org dens mvmt;
198  cards;

NOTE: The data set WORK.PULSE has 14 observations and 6 variables.
NOTE: DATA statement used:
      real time           0.00 seconds
      cpu time            0.00 seconds

213  ;
214  proc print; run;

NOTE: There were 14 observations read from the data set WORK.PULSE.
NOTE: PROCEDURE PRINT used:
      real time           0.01 seconds
      cpu time            0.01 seconds

216  proc GLM; class d o;
217  title2 "distance and movement";
218  model mvmt = d o d*o;
219  lsmeans d/stderr pdiff;
220  lsmeans o/stderr pdiff;
221  lsmeans o*d/stderr pdiff;
222  run;

NOTE: PROCEDURE GLM used:
      real time           0.03 seconds
      cpu time            0.03 seconds

224  proc GLM; class d o;
225  title2 "distance and organics";
226  model org = d o d*o;

227  lsmeans d/stderr pdiff;
228  lsmeans o/stderr pdiff;
229  lsmeans o*d/stderr pdiff;
230  run;

NOTE: PROCEDURE GLM used:
      real time           0.02 seconds
      cpu time            0.02 seconds

233  proc GLM; class d o;
234  title2 "distance and bulk density";
235  model dens = d o d*o;
236  lsmeans d/stderr pdiff;
237  lsmeans o/stderr pdiff;
238  lsmeans o*d/stderr pdiff;
239  run;
```

APPENDIX B: FIELD DATA

Table B1: Site information

Site Name	Site No.	SONDE[a]	WLR[b]	SET[c]	FELDSPAR	Feldspar Read	LAT	LONG
DNR 1 (1/2 site)	401	YES	NO - SONDE	NO	YES - 4/27/01	yes- 1/22/02 (DNR)	29 49.824	89 57.195
DNR 2	402	YES	NO - SONDE	NO	YES - 4/27/01	yes - 6/11/02	29 47.843	89 52.898
DNR 3	403	YES	NO - SONDE	YES	YES - 4/27/01		29 48.160	89 56.106
DNR 4 (1/2 site)	404	YES	NO - SONDE	YES	NO - SET	yes- 1/22/02 (DNR)	29 47.340	89 57.642
DNR 66	406	YES	NO - SONDE	YES	NO - SET	yes- 1/22/02 (DNR)	29 44.343	89 55.600
DNR 7 (1/2 site)	407	YES	NO - SONDE	NO	YES - 4/13/01	yes- 1/22/02 (DNR)	29 50.257	89 52.520
SHELL BAYOU	408	NO	YES - 4/12/01	YES	NO - SET		29 42.256	89 54.318
ROB'S SET	409	NO	YES - 4/12/01	YES	NO - SET		29 46.810	89 47.483
SET 12	412	NO	YES - 4/13/01	YES	NO - SET	yes- 1/22/02 (DNR)	29 49.093	89 53.365
KATE'S MARSH	413	NO	YES - 4/13/01	NO	YES - 4/27/01	yes - 6/11/02	29 47.493	89 54.382
SUN LAGOON	418	NO	YES - 4/12/01	NO	YES - 4/12/01	yes - 7/12/02	29 44.163	89 50.930
LAKE LEARY BRDWLK	419	NO	YES - 4/12/01	NO	YES - 4/12/01	yes - 8/31/02	29 46.717	89 52.046
HAIRPIN CANAL	422	NO	YES - 4/13/01	NO	YES - 4/13/01		29 48.744	89 54.431
DELACROIX BRDWLK	432	NO	YES - 4/12/01	NO	YES - 4/12/01		29 48.890	89 55.840

[a] DNR sites used YSI 6920 Sondes to estimate hourly salinity, temperature, and water level.
[b] WLR are sites where Infinities USA, Inc. ultrasonic water level recorders were used.
[c] SET = sediment elevation table.

TABLE B2: Sediment trap data

Site 401													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/26/2001	2/23/2001	3/5/2001	109	28	30.0058	30.5131	30.4098	0.3981		0.3832	0.1092	0.0059	0.1033
1/26/2001	2/23/2001	3/5/2001	110	28	30.7857	31.3356	31.1941	0.3947		0.3799	0.1552	0.0137	0.1415
1/26/2001	2/23/2001	3/5/2001	111	28	30.1574	31.1517	30.6307	0.3965		0.3817	0.5978	0.0768	0.5210
1/26/2001	2/23/2001	3/5/2001	112	28	32.0826	32.708	32.5261	0.3945		0.3797	0.2309	0.0490	0.1819
1/26/2001	2/23/2001	3/5/2001	113	28	31.6506	32.5475	32.1281	0.3981		0.3832	0.4988	0.0794	0.4194
1/26/2001	2/23/2001	3/5/2001	114	28	29.8970	30.9729	30.348	0.3941		0.3794	0.6818	0.0569	0.6249
2/23/2001	3/9/2001	3/28/2001	397	14	0.9969	1.6301	1.4227	0.4019	1	0.3854	0.2489	0.0431	0.2058
2/23/2001	3/9/2001	3/28/2001	398	14	0.9984	1.9226	1.4878	0.3948	0	0.3800	0.5453	0.1121	0.4332
2/23/2001	3/9/2001	3/28/2001	399	14	1.0012	1.3807	1.3733	0.3882	2	0.3707	0.0099	0.0041	0.0058
2/23/2001	3/9/2001	3/28/2001	400	14	1.0020	1.3895	1.3738	0.3851	5	0.3631	0.0255	0.0114	0.0141
2/23/2001	3/9/2001	3/28/2001	401	14	1.0046	1.4855	1.4013	0.3864	0	0.3719	0.1100	0.0275	0.0826
2/23/2001	3/9/2001	3/28/2001	402	14	1.0059	1.4265	1.3883	0.3805	0	0.3663	0.0554	0.0188	0.0366
3/9/2001	**3/23/2001**	**3/28/2001**	**547**	**14**	**1.0038**	**1.4511**	**1.4177**	**0.3937**	**1**	**0.3775**	**0.0709**	**0.0391**	**0.0318**
3/9/2001	**3/23/2001**	**3/28/2001**	**548**	**14**	**1.0047**	**1.5015**	**1.4361**	**0.3971**	**16**	**0.3581**	**0.1398**	**0.0761**	**0.0638**
3/9/2001	**3/23/2001**	**3/28/2001**	**549**	**14**	**0.9963**	**1.4094**	**1.3818**	**0.3916**	**5**	**0.3694**	**0.0448**	**0.0188**	**0.0260**
3/9/2001	**3/23/2001**	**3/28/2001**	**550**	**14**	**1.0018**	**1.4269**	**1.3942**	**0.3921**	**9**	**0.3638**	**0.0624**	**0.0313**	**0.0311**
3/9/2001	**3/23/2001**	**3/28/2001**	**551**	**14**	**0.9992**	**1.4568**	**1.4085**	**0.3985**	**0**	**0.3836**	**0.0751**	**0.0284**	**0.0467**
3/9/2001	**3/23/2001**	**3/28/2001**	**552**	**14**	**1.0006**	**1.4372**	**1.4061**	**0.3924**	**2**	**0.3747**	**0.0630**	**0.0335**	**0.0295**
3/23/2001	4/27/2001	5/23/2001	721	35	0.9709	1.5956	1.4457	0.4466	0	0.4299	0.1959	0.0475	0.1483
3/23/2001	4/27/2001	5/23/2001	722	35	0.9729	1.9074	1.5231	0.418	1	0.4009	0.5347	0.1520	0.3827
3/23/2001	4/27/2001	5/23/2001	723	35	0.9703	1.4551	1.378	0.4258	12	0.3917	0.0941	0.0186	0.0755
3/23/2001	4/27/2001	5/23/2001	724	35	0.9738	1.5039	1.4049	0.4265	6	0.4015	0.1297	0.0323	0.0974
3/23/2001	4/27/2001	5/23/2001	725	35	0.9765	1.486	1.4207	0.4198	0	0.4041	0.1065	0.0427	0.0637
3/23/2001	4/27/2001	5/23/2001	726	35	0.9698	1.6153	1.4222	0.4146	2	0.3961	0.2505	0.0589	0.1915
4/27/2001	5/29/2001	6/20/2001	949	32	0.9862	1.6192	1.4446	0.3988	0	0.3839	0.2502	0.0772	0.1730
4/27/2001	5/29/2001	6/20/2001	950	32	0.9855	1.7131	1.4759	0.3888	1	0.3727	0.3559	0.1203	0.2356
4/27/2001	5/29/2001	6/20/2001	951	32	0.9828	1.6717	1.4157	0.3845	1.5	0.3679	0.3221	0.0677	0.2544
4/27/2001	5/29/2001	6/20/2001	952	32	0.9849	1.571	1.3943	0.3801	1	0.3644	0.2228	0.0477	0.1751
4/27/2001	5/29/2001	6/20/2001	953	32	0.9862	1.4886	1.391	0.3858	0	0.3714	0.1321	0.0361	0.0960
4/27/2001	5/29/2001	6/20/2001	954	32	0.9831	1.4957	1.3967	0.3832	0	0.3689	0.1448	0.0474	0.0974
5/29/2001	6/25/2001	7/12/2001	1105	27	0.9699	1.3789	1.336	0.3882	2.5	0.3699	0.0402	-0.0012	0.0413
5/29/2001	6/25/2001	7/12/2001	1106	27	0.9696	1.4674	1.3591	0.3956	3	0.3763	0.1226	0.0159	0.1067
5/29/2001	6/25/2001	7/12/2001	1107	27	0.9688	1.372	1.3486	0.3931	3	0.3739	0.0304	0.0086	0.0218
5/29/2001	6/25/2001	7/12/2001	1108	27	0.9688	1.3838	1.3414	0.3897	18	0.3479	0.0682	0.0273	0.0408
5/29/2001	6/25/2001	7/12/2001	1109	27	0.9700	1.4268	1.3754	0.3912	3	0.3720	0.0858	0.0360	0.0498
5/29/2001	6/25/2001	7/12/2001	1110	27	0.9697	1.4276	1.3721	0.3893	0	0.3747	0.0842	0.0303	0.0539
6/25/2001	8/1/2001	8/9/2001	1225	37	0.9711	1.3032	1.2573	0.3854	23	0.3362	-0.0030	-0.0474	0.0443
6/25/2001	8/1/2001	8/9/2001	1226	37	0.9701	1.3676	1.3196	0.3851	2	0.3677	0.0309	-0.0156	0.0464
6/25/2001	8/1/2001	8/9/2001	1227	37	0.9735	1.3158	1.2738	0.3794	3	0.3607	-0.0173	-0.0577	0.0404
6/25/2001	8/1/2001	8/9/2001	1228	37	0.9710	1.3155	1.2667	0.3792	28	0.3227	0.0229	-0.0243	0.0472
6/25/2001	8/1/2001	8/9/2001	1229	37	0.9701	1.546	1.4033	0.39	0	0.3754	0.2015	0.0604	0.1411
6/25/2001	8/1/2001	8/9/2001	1230	37	0.9725	1.4463	1.371	0.395	3	0.3757	0.0992	0.0254	0.0737
8/1/2001	9/8/2001	12/5/2001	1405	38	0.9768	1.5858	1.4887	0.412	0	0.3966	0.2135	0.1179	0.0955
8/1/2001	9/8/2001	12/5/2001	1406	38	0.9786	1.5567	1.4709	0.4168	2	0.3982	0.1810	0.0968	0.0842
8/1/2001	9/8/2001	12/5/2001	1407	38	0.9808	1.4954	1.4211	0.4147	1	0.3977	0.1180	0.0453	0.0727
8/1/2001	9/8/2001	12/5/2001	1408	38	0.9795	1.4659	1.4003	0.4115	1	0.3946	0.0929	0.0288	0.0640
8/1/2001	9/8/2001	12/5/2001	1409	38	0.9783	1.5084	1.4224	0.4127	0	0.3973	0.1339	0.0495	0.0844
8/1/2001	9/8/2001	12/5/2001	1410	38	0.9811	1.4688	1.4002	0.415	0	0.3995	0.0893	0.0223	0.0670
9/8/2001	10/9/2001	1/9/2002	1627	31	0.9805	1.7375	1.5627	0.3688	0	0.3550	0.4031	0.2298	0.1732
9/8/2001	10/9/2001	1/9/2002	1628	31	0.9822	1.5961	1.4742	0.3654	0	0.3517	0.2632	0.1429	0.1203
9/8/2001	10/9/2001	1/9/2002	1629	31	0.9869	1.6837	1.456	0.3682	1	0.3529	0.3450	0.1188	0.2261
9/8/2001	10/9/2001	1/9/2002	1630	31	0.9832	1.4781	1.3918	0.3656	0	0.3519	0.1440	0.0593	0.0847
9/8/2001	10/9/2001	1/9/2002	1631	31	0.9849	1.5861	1.4154	0.3696	1	0.3543	0.2480	0.0789	0.1691
9/8/2001	10/9/2001	1/9/2002	1632	31	0.9755	1.6153	1.4028	0.3771	1	0.3615	0.2794	0.0685	0.2109
10/9/2001	11/2/2001	11/28/2001	1819	24	0.9793	1.4914	1.4280	0.4061	0	0.3909	0.1223	0.0604	0.0618
10/9/2001	11/2/2001	11/28/2001	1820	24	0.9772	1.5257	1.4457	0.3882	1	0.3722	0.1774	0.0990	0.0784

TABLE B2: Sediment trap data

Site 401													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/9/2001	11/2/2001	11/28/2001	1821	24	0.9769	1.4579	1.4044	0.4071	0	0.3919	0.0902	0.0383	0.0519
10/9/2001	11/2/2001	11/28/2001	1822	24	0.9823	1.4154	1.3801	0.3901	0	0.3755	0.0587	0.0249	0.0337
10/9/2001	11/2/2001	11/28/2001	1823	24	0.9836	1.5450	1.4286	0.3881	0	0.3736	0.1889	0.0741	0.1148
10/9/2001	11/2/2001	11/28/2001	1824	24	0.9805	1.4735	1.4064	0.3942	1	0.3779	0.1161	0.0506	0.0655
1/23/2002	**2/4/2002**	**4/1/2002**	**2197**	**12**	**0.9838**	**1.8368**	**1.6195**	**0.4298**	**0**	**0.4137**	**0.4393**	**0.2220**	**0.2173**
1/23/2002	**2/4/2002**	**4/1/2002**	**2198**	**12**	**0.9854**	**1.9572**	**1.6774**	**0.4329**	**0**	**0.4167**	**0.5551**	**0.2753**	**0.2798**
1/23/2002	**2/4/2002**	**4/1/2002**	**2199**	**12**	**0.9765**	**1.4357**	**1.4113**	**0.4334**	**0**	**0.4172**	**0.0420**	**0.0176**	**0.0244**
1/23/2002	**2/4/2002**	**4/1/2002**	**2200**	**12**	**0.9788**	**1.5415**	**1.463**	**0.4328**	**0**	**0.4166**	**0.1461**	**0.0676**	**0.0785**
1/23/2002	**2/4/2002**	**4/1/2002**	**2201**	**12**	**0.9799**	**1.4481**	**1.4198**	**0.4306**	**0**	**0.4145**	**0.0537**	**0.0254**	**0.0283**
1/23/2002	**2/4/2002**	**4/1/2002**	**2202**	**12**	**0.9798**	**1.5629**	**1.469**	**0.4324**	**0**	**0.4162**	**0.1669**	**0.0730**	**0.0939**
2/4/2002	**2/19/2002**	**4/3/2002**	**2203**	**15**	**0.9732**	**1.7847**	**1.5393**	**0.4337**	**0**	**0.4175**	**0.3940**	**0.1486**	**0.2454**
2/4/2002	**2/19/2002**	**4/3/2002**	**2204**	**15**	**0.9727**	**1.7673**	**1.5513**	**0.4321**	**0**	**0.4159**	**0.3787**	**0.1627**	**0.2160**
2/4/2002	**2/19/2002**	**4/3/2002**	**2205**	**15**	**0.9697**	**1.5911**	**1.4301**	**0.434**	**0**	**0.4178**	**0.2036**	**0.0426**	**0.1610**
2/4/2002	**2/19/2002**	**4/3/2002**	**2206**	**15**	**0.9698**	**1.6838**	**1.4479**	**0.43**	**0**	**0.4139**	**0.3001**	**0.0642**	**0.2359**
2/4/2002	**2/19/2002**	**4/3/2002**	**2207**	**15**	**0.9727**	**1.7132**	**1.5114**	**0.4297**	**0**	**0.4136**	**0.3269**	**0.1251**	**0.2018**
2/4/2002	**2/19/2002**	**4/3/2002**	**2208**	**15**	**0.9739**	**1.6975**	**1.5254**	**0.4357**	**0**	**0.4194**	**0.3042**	**0.1321**	**0.1721**
2/19/2002	3/4/2002	4/11/2002	2497	13	0.9894	1.4212	1.4008	0.4287	0	0.4127	0.0191	-0.0013	0.0204
2/19/2002	3/4/2002	4/11/2002	2498	13	0.9858	1.4171	1.3992	0.4304	0	0.4143	0.0170	-0.0009	0.0179
2/19/2002	3/4/2002	4/11/2002	2499	13	0.9889	1.4841	1.4256	0.4289	0	0.4129	0.0823	0.0238	0.0585
2/19/2002	3/4/2002	4/11/2002	2500	13	0.9883	1.4466	1.4236	0.4299	0	0.4138	0.0445	0.0215	0.0230
2/19/2002	3/4/2002	4/11/2002	2501	13	0.9888	1.462	1.4264	0.4324	0	0.4162	0.0570	0.0214	0.0356
2/19/2002	3/4/2002	4/11/2002	2502	13	0.9854	1.4617	1.4213	0.43	0	0.4139	0.0624	0.0220	0.0404
3/4/2002	**3/26/2002**	**4/17/2002**	**2563**	**22**	**0.9840**	**2.4094**	**1.8997**	**0.4259**	**0**	**0.4100**	**1.0154**	**0.5057**	**0.5097**
3/4/2002	**3/26/2002**	**4/17/2002**	**2564**	**22**	**0.9939**	**3.1264**	**2.199**	**0.4299**	**0**	**0.4138**	**1.7187**	**0.7913**	**0.9274**
3/4/2002	**3/26/2002**	**4/17/2002**	**2565**	**22**	**0.9838**	**2.2043**	**1.5763**	**0.4273**	**4**	**0.4053**	**0.8152**	**0.1872**	**0.6280**
3/4/2002	**3/26/2002**	**4/17/2002**	**2566**	**22**	**0.9839**	**2.0953**	**1.6692**	**0.4262**	**0**	**0.4103**	**0.7011**	**0.2750**	**0.4261**
3/4/2002	**3/26/2002**	**4/17/2002**	**2567**	**22**	**0.9899**	**1.6313**	**1.5045**	**0.4259**	**0**	**0.4100**	**0.2314**	**0.1046**	**0.1268**
3/4/2002	**3/26/2002**	**4/17/2002**	**2568**	**22**	**0.9890**	**2.3126**	**1.7314**	**0.427**	**0**	**0.4110**	**0.9126**	**0.3314**	**0.5812**
3/26/2002	5/8/2002	5/23/2002	2755	43	0.9493	1.7248	1.5485	0.433	0	0.4168	0.3587	0.1824	0.1763
3/26/2002	5/8/2002	5/23/2002	2756	43	0.9506	2.1313	1.7215	0.4267	3	0.4062	0.7745	0.3647	0.4098
3/26/2002	5/8/2002	5/23/2002	2757	43	0.9522	3.5126	2.4051	0.4251	2	0.4062	2.1542	1.0467	1.1075
3/26/2002	5/8/2002	5/23/2002	2758	43	0.9499	3.1824	1.9664	0.426	2	0.4070	1.8255	0.6095	1.2160
3/26/2002	5/8/2002	5/23/2002	2759	43	0.9493	1.7548	1.4992	0.4264	0	0.4105	0.3950	0.1394	0.2556
3/26/2002	5/8/2002	5/23/2002	2760	43	0.9474	2.5912	1.8558	0.4244	1	0.4070	1.2368	0.5014	0.7354
5/8/2002	6/12/2002	6/18/2002	2941	35	0.9930	1.6968	1.5224	0.4265	0	0.4105	0.2933	0.1189	0.1744
5/8/2002	6/12/2002	6/18/2002	2942	35	0.9857	1.6511	1.4882	0.4251	0	0.4092	0.2562	0.0933	0.1629
5/8/2002	6/12/2002	6/18/2002	2943	35	0.9823	1.6943	1.5346	0.4328	0	0.4166	0.2954	0.1357	0.1597
5/8/2002	6/12/2002	6/18/2002	2944	35	0.9796	1.5745	1.4703	0.4298	0	0.4137	0.1812	0.0770	0.1042
5/8/2002	6/12/2002	6/18/2002	2945	35	0.9754	1.8605	1.5651	0.428	0	0.4120	0.4731	0.1777	0.2954
5/8/2002	6/12/2002	6/18/2002	2946	35	0.9761	1.7135	1.5422	0.4302	0	0.4141	0.3233	0.1520	0.1713
6/12/2002	7/15/2002	7/31/2002	3085	33	0.9800	1.7579	1.521	0.4265	0	0.4105	0.3674	0.1305	0.2369
6/12/2002	7/15/2002	7/31/2002	3086	33	0.9839	1.9919	1.5586	0.4281	0	0.4121	0.5959	0.1626	0.4333
6/12/2002	7/15/2002	7/31/2002	3087	33	0.9854	1.6961	1.5186	0.4229	0	0.4071	0.3036	0.1261	0.1775
6/12/2002	7/15/2002	7/31/2002	3088	33	0.9647	1.53	1.4316	0.4236	0	0.4078	0.1575	0.0591	0.0984
6/12/2002	7/15/2002	7/31/2002	3089	33	0.9666	2.3106	1.7566	0.4245	0	0.4086	0.9354	0.3814	0.5540
6/12/2002	7/15/2002	7/31/2002	3090	33	0.9637	2.2874	1.7291	0.4283	0	0.4123	0.9114	0.3531	0.5583
7/15/2002	8/8/2002	8/13/2002	3193	24	0.9645	1.4813	1.3988	0.4287	0	0.4127	0.1041	0.0216	0.0825
7/15/2002	8/8/2002	8/13/2002	3194	24	0.9670	1.4506	1.3875	0.4304	0	0.4143	0.0693	0.0062	0.0631
7/15/2002	8/8/2002	8/13/2002	3195	24	0.9676	1.4134	1.3878	0.4245	1	0.4071	0.0387	0.0131	0.0256
7/15/2002	8/8/2002	8/13/2002	3196	24	0.9654	1.4198	1.3872	0.4274	0	0.4114	0.0430	0.0104	0.0326
7/15/2002	8/8/2002	8/13/2002	3197	24	0.9649	1.6994	1.4965	0.4262	1	0.4087	0.3258	0.1229	0.2029
7/15/2002	8/8/2002	8/13/2002	3198	24	0.9631	1.6364	1.4619	0.4272	0	0.4112	0.2621	0.0876	0.1745

Table B2: Sediment trap data

Site 402													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/26/2001	2/22/2001	3/6/2001	133	27	30.7517	31.1089	31.1037	0.3928	0	0.3781	-0.0209	-0.0261	0.0052
1/26/2001	2/22/2001	3/6/2001	134	27	31.0462	31.4223	31.4133	0.3897	0	0.3751	0.0010	-0.0080	0.0090
1/26/2001	2/22/2001	3/6/2001	135	27	30.5138	30.8841	30.8734	0.388	0	0.3735	NV	NV	NV
1/26/2001	2/22/2001	3/6/2001	136	27	30.6791	31.0507	31.0477	0.3913	0	0.3767	NV	NV	NV
1/26/2001	2/22/2001	3/6/2001	137	27	32.0327	32.4339	32.4058	0.3918	0	0.3771	0.0241	-0.0040	0.0281
1/26/2001	2/22/2001	3/6/2001	138	27	30.1808	30.5619	30.5589	0.3926	0	0.3779	0.0032	0.0002	0.0030
1/26/2001	2/22/2001	3/6/2001	139	27	31.8324	32.2117	32.2101	0.3928	0	0.3781	0.0012	-0.0004	0.0016
1/26/2001	2/22/2001	3/6/2001	140	27	30.3106	30.68	30.6796	0.3906	0	0.3760	-0.0066	-0.0070	0.0004
1/26/2001	2/22/2001	3/6/2001	141	27	30.8100	31.21	31.1861	0.384	0	0.3696	0.0304	0.0065	0.0239
1/26/2001	2/22/2001	3/6/2001	142	27	28.0974	28.4763	28.471	0.387	0	0.3725	0.0064	0.0011	0.0053
1/26/2001	2/22/2001	3/6/2001	143	27	32.2890	32.8419	32.7537	0.3834	0	0.3691	0.1838	0.0956	0.0882
1/26/2001	2/22/2001	3/6/2001	144	27	33.4545	34.0045	33.8914	0.3861	0	0.3717	0.1783	0.0652	0.1131
2/22/2001	3/9/2001	3/14/2001	361	15	31.5377	31.9141	31.9002	0.398	0	0.3831	-0.0067	-0.0206	0.0139
2/22/2001	3/9/2001	3/14/2001	362	15	30.3447	30.7237	30.7134	0.3969	0	0.3821	-0.0031	-0.0134	0.0103
2/22/2001	3/9/2001	3/14/2001	363	15	28.0980	28.4554	28.4458	0.397	0	0.3822	-0.0248	-0.0344	0.0096
2/22/2001	3/9/2001	3/14/2001	364	15	30.5143	30.8706	30.8635	0.3954	0	0.3806	-0.0243	-0.0314	0.0071
2/22/2001	3/9/2001	3/14/2001	365	15	31.4178	31.8129	31.7972	0.3937	0	0.3790	0.0161	0.0004	0.0157
2/22/2001	3/9/2001	3/14/2001	366	15	32.9076	33.2927	33.2838	0.3959	0	0.3811	0.0040	-0.0049	0.0089
2/22/2001	3/9/2001	3/14/2001	367	15	31.6812	32.0515	32.0444	0.3952	0	0.3804	-0.0101	-0.0172	0.0071
2/22/2001	3/9/2001	3/14/2001	368	15	33.5635	33.9403	33.9328	0.3945	0	0.3797	-0.0029	-0.0104	0.0075
2/22/2001	3/9/2001	3/14/2001	369	15	30.1086	30.4785	30.4718	0.3928	0	0.3781	-0.0082	-0.0149	0.0067
2/22/2001	3/9/2001	3/14/2001	370	15	31.5250	31.9008	31.8947	0.398	0	0.3831	-0.0073	-0.0134	0.0061
2/22/2001	3/9/2001	3/14/2001	371	15	32.2895	32.6802	32.6657	0.3905	0	0.3759	0.0148	0.0003	0.0145
2/22/2001	3/9/2001	3/14/2001	372	15	30.1578	30.5501	30.539	0.3891	0	0.3745	0.0178	0.0067	0.0111
3/9/2001	**3/22/2001**	**5/3/2001**	**553**	**13**	**1.0035**	**1.1286**	**1.1235**	**0.3924**		**0.3777**	NV	NV	NV
3/9/2001	**3/22/2001**	**5/3/2001**	**554**	**13**	**1.0034**	**1.2635**	**1.2456**	**0.3943**		**0.3796**	NV	NV	NV
3/9/2001	**3/22/2001**	**5/3/2001**	**555**	**13**	**1.0011**	**1.3896**	**1.362**	**0.3925**		**0.3778**	NV	NV	NV
3/9/2001	**3/22/2001**	**5/3/2001**	**556**	**13**	**1.0044**	**1.3536**	**1.3343**	**0.3791**		**0.3649**	NV	NV	NV
3/9/2001	**3/22/2001**	**5/3/2001**	**557**	**13**	**1.0016**	**1.4482**	**1.4145**	**0.3859**	**2**	**0.3684**	**0.0792**	**0.0472**	**0.0321**
3/9/2001	**3/22/2001**	**5/3/2001**	**558**	**13**	**1.0038**	**1.4568**	**1.4209**	**0.383**	**3**	**0.3641**	**0.0900**	**0.0557**	**0.0343**
3/9/2001	**3/22/2001**	**5/3/2001**	**559**	**13**	**1.0048**	**1.4355**	**1.4095**	**0.3863**	**2**	**0.3688**	**0.0630**	**0.0386**	**0.0244**
3/9/2001	**3/22/2001**	**5/3/2001**	**560**	**13**	**1.0027**	**1.4306**	**1.4079**	**0.3896**	**2**	**0.3720**	**0.0570**	**0.0359**	**0.0211**
3/9/2001	**3/22/2001**	**5/3/2001**	**561**	**13**	**0.9988**	**1.4203**	**1.3883**	**0.3779**	**1**	**0.3623**	**0.0603**	**0.0299**	**0.0304**
3/9/2001	**3/22/2001**	**5/3/2001**	**562**	**13**	**1.0045**	**1.4305**	**1.399**	**0.3821**	**1**	**0.3663**	**0.0608**	**0.0309**	**0.0299**
3/9/2001	**3/22/2001**	**5/3/2001**	**563**	**13**	**0.9976**	**1.4049**	**1.3675**	**0.3914**	**22**	**0.3435**	**0.0649**	**0.0291**	**0.0358**
3/9/2001	**3/22/2001**	**5/3/2001**	**564**	**13**	**1.0020**	**1.4374**	**1.3957**	**0.3876**		**0.3731**	**0.0634**	**0.0233**	**0.0401**
3/22/2001	4/26/2001	5/22/2001	673	35	1.0111	1.5421	1.4579	0.3804	1	0.3647	0.1674	0.0849	0.0826
3/22/2001	4/26/2001	5/22/2001	674	35	1.0147	1.5691	1.4839	0.3818	4	0.3615	0.1940	0.1105	0.0836
3/22/2001	4/26/2001	5/22/2001	675	35	1.0158	1.5277	1.4549	0.3832	3	0.3643	0.1487	0.0775	0.0712
3/22/2001	4/26/2001	5/22/2001	676	35	1.0150	1.6696	1.5359	0.3836	2	0.3662	0.2895	0.1574	0.1321
3/22/2001	4/26/2001	5/22/2001	677	35	1.0143	1.5445	1.4366	0.384	1	0.3681	0.1632	0.0569	0.1063
3/22/2001	4/26/2001	5/22/2001	678	35	1.0100	1.4789	1.4246	0.3843	1	0.3684	0.1016	0.0489	0.0527
3/22/2001	4/26/2001	5/22/2001	679	35	1.0183	1.6102	1.4634	0.3852	7.5	0.3595	0.2336	0.0884	0.1452
3/22/2001	4/26/2001	5/22/2001	680	35	1.0172	1.4216	1.4018	0.3859	0	0.3715	0.0340	0.0159	0.0182
3/22/2001	4/26/2001	5/22/2001	681	35	1.0147	1.4212	1.3976	0.3844	0	0.3700	0.0376	0.0156	0.0220
3/22/2001	4/26/2001	5/22/2001	682	35	1.0182	1.4229	1.4008	0.3817	2	0.3644	0.0414	0.0210	0.0205
3/22/2001	4/26/2001	5/22/2001	683	35	1.0193	1.4645	1.4186	0.3804	0	0.3662	0.0801	0.0359	0.0443
3/22/2001	4/26/2001	5/22/2001	684	35	1.0214	1.553	1.4456	0.3794	0	0.3652	0.1675	0.0617	0.1058
4/26/2001	5/28/2001	7/9/2001	901	32	0.9718	1.4245	1.3718	0.3891	0	0.3745	0.0792	0.0281	0.0511
4/26/2001	5/28/2001	7/9/2001	902	32	0.9748	1.437	1.3802	0.3854	3	0.3664	0.0968	0.0416	0.0552
4/26/2001	5/28/2001	7/9/2001	903	32	0.9756	1.7715	1.5769	0.3853	0	0.3709	0.4261	0.2330	0.1930
4/26/2001	5/28/2001	7/9/2001	904	32	0.9716	1.6978	1.5328	0.3881	0	0.3736	0.3537	0.1902	0.1634
4/26/2001	5/28/2001	7/9/2001	905	32	0.9735	1.4166	1.3706	0.3893	0	0.3747	0.0694	0.0250	0.0444
4/26/2001	5/28/2001	7/9/2001	906	32	0.9690	1.4293	1.3662	0.3909	0	0.3763	0.0851	0.0235	0.0615
4/26/2001	5/28/2001	7/9/2001	907	32	0.9715	1.4009	1.361	0.3942	0	0.3795	0.0510	0.0127	0.0383

Table B2: Sediment trap data

Site 402													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/26/2001	5/28/2001	7/9/2001	908	32	0.9746	1.483	1.3991	0.3989	0	0.3840	0.1255	0.0432	0.0823
4/26/2001	5/28/2001	7/9/2001	909	32	0.9713	1.4429	1.3744	0.4006	2	0.3826	0.0901	0.0231	0.0669
4/26/2001	5/28/2001	7/9/2001	910	32	0.9744	1.5003	1.4097	0.3973	2	0.3794	0.1475	0.0585	0.0890
4/26/2001	5/28/2001	7/9/2001	911	32	0.9733	1.5071	1.4147	0.3894	0	0.3748	0.1600	0.0692	0.0908
4/26/2001	5/28/2001	7/9/2001	912	32	0.9755	1.5705	1.4347	0.3945	0	0.3797	0.2163	0.0821	0.1342
5/28/2001	6/25/2001	7/12/2001	1033	28	0.9718	1.3394	1.3212	0.384	2	0.3666	0.0020	-0.0146	0.0166
5/28/2001	6/25/2001	7/12/2001	1034	28	0.9706	1.3124	1.3014	0.3855	17	0.3454	-0.0025	-0.0120	0.0094
5/28/2001	6/25/2001	7/12/2001	1035	28	0.9723	1.3441	1.3298	0.3872	5	0.3652	0.0077	-0.0050	0.0127
5/28/2001	6/25/2001	7/12/2001	1036	28	0.9712	1.3481	1.3325	0.3878	1	0.3718	0.0062	-0.0079	0.0140
5/28/2001	6/25/2001	7/12/2001	1037	28	0.9749	1.4558	1.3852	0.3874	0	0.3729	0.1090	0.0400	0.0690
5/28/2001	6/25/2001	7/12/2001	1038	28	0.9743	1.3964	1.3635	0.3869	0	0.3724	0.0507	0.0194	0.0313
5/28/2001	6/25/2001	7/12/2001	1039	28	0.9753	1.3555	1.3402	0.3908	7	0.3656	0.0157	0.0019	0.0137
5/28/2001	6/25/2001	7/12/2001	1040	28	0.9766	1.3528	1.3335	0.3861	3	0.3671	0.0101	-0.0076	0.0177
5/28/2001	6/25/2001	7/12/2001	1041	28	0.9714	1.3626	1.3453	0.388	2	0.3705	0.0218	0.0061	0.0157
5/28/2001	6/25/2001	7/12/2001	1042	28	0.9668	1.3656	1.3417	0.3892	2	0.3716	0.0282	0.0059	0.0223
5/28/2001	6/25/2001	7/12/2001	1043	28	0.9669	1.3764	1.351	0.3927	2	0.3750	0.0356	0.0117	0.0238
5/28/2001	6/25/2001	7/12/2001	1044	28	0.9703	1.4418	1.388	0.3958	0	0.3810	0.0916	0.0393	0.0522
6/25/2001	8/1/2001	8/9/2001	1177	37	0.9730	1.4908	1.3957	0.4195	1	0.4023	0.1166	0.0230	0.0935
6/25/2001	8/1/2001	8/9/2001	1178	37	0.9727	1.5801	1.4565	0.4167	2	0.3981	0.2104	0.0883	0.1220
6/25/2001	8/1/2001	8/9/2001	1179	37	0.9735	1.985	1.6279	0.4169	1	0.3998	0.6128	0.2572	0.3555
6/25/2001	8/1/2001	8/9/2001	1180	37	0.9757	4.5398	3.0831	0.4186	8	0.3908	3.1743	1.7192	1.4551
6/25/2001	8/1/2001	8/9/2001	1181	37	0.9735	3.4602	2.3163	0.4196	22	0.3706	2.1171	0.9748	1.1423
6/25/2001	8/1/2001	8/9/2001	1182	37	0.9750	4.3518	2.7423	0.4162	17	0.3749	3.0029	1.3950	1.6079
6/25/2001	8/1/2001	8/9/2001	1183	37	0.9772	1.456	1.3791	0.4161	36	0.3461	0.1338	0.0584	0.0753
6/25/2001	8/1/2001	8/9/2001	1184	37	0.9778	1.394	1.3678	0.4157	2	0.3971	0.0201	-0.0045	0.0246
6/25/2001	8/1/2001	8/9/2001	1185	37	0.9783	1.3587	1.3416	0.4179	10	0.3871	-0.0057	-0.0212	0.0155
6/25/2001	8/1/2001	8/9/2001	1186	37	0.9768	1.3724	1.3471	0.4151	5	0.3920	0.0046	-0.0191	0.0237
6/25/2001	8/1/2001	8/9/2001	1187	37	0.9713	1.3499	1.3753	0.4111	1	0.3942	-0.0146	0.0124	-0.0270
6/25/2001	8/1/2001	8/9/2001	1188	37	0.9770	1.4678	1.4042	0.411	4	0.3896	0.1023	0.0403	0.0620
8/1/2001	9/7/2001	1/10/2002	1429	37	0.9608	1.466	1.394	0.4036	0	0.3885	0.1177	0.0473	0.0705
8/1/2001	9/7/2001	1/10/2002	1430	37	0.9623	1.5934	1.4198	0.4034	20	0.3581	0.2741	0.1020	0.1720
8/1/2001	9/7/2001	1/10/2002	1431	37	0.9648	2.3287	1.8925	0.4016	2	0.3836	0.9814	0.5468	0.4346
8/1/2001	9/7/2001	1/10/2002	1432	37	0.9626	1.9021	1.5984	0.402	0	0.3870	0.5536	0.2514	0.3021
8/1/2001	9/7/2001	1/10/2002	1433	37	0.9604	9.6089	4.4456	0.4033	0	0.3882	8.2613	3.0996	5.1618
8/1/2001	9/7/2001	1/10/2002	1434	37	0.9580	4.4962	2.8041	0.4038	3	0.3842	3.1551	1.4645	1.6906
8/1/2001	9/7/2001	1/10/2002	1435	37	0.9558	1.3416	1.3286	0.402	5	0.3794	0.0074	-0.0040	0.0115
8/1/2001	9/7/2001	1/10/2002	1436	37	0.9587	1.3866	1.3587	0.4039	2	0.3858	0.0432	0.0168	0.0264
8/1/2001	9/7/2001	1/10/2002	1437	37	0.9556	1.3594	1.3374	0.4027	2	0.3846	0.0202	-0.0002	0.0205
8/1/2001	9/7/2001	1/10/2002	1438	37	0.9586	1.3725	1.3083	0.4018	2	0.3837	0.0312	-0.0315	0.0627
8/1/2001	9/7/2001	1/10/2002	1439	37	0.9583	1.4435	1.3781	0.4019	1	0.3854	0.1009	0.0370	0.0639
8/1/2001	9/7/2001	1/10/2002	1440	37	0.9619	1.844	1.5741	0.4027	1	0.3861	0.4970	0.2287	0.2683
9/7/2001	10/8/2001	11/28/2001	1453	31	0.9805	6.8771	4.1608	0.4024	0	0.3874	5.5103	2.7956	2.7147
9/7/2001	10/8/2001	11/28/2001	1454	31	0.9780	2.788	2.0955	0.4024	0	0.3874	1.4237	0.7328	0.6909
9/7/2001	10/8/2001	11/28/2001	1455	31	0.9774	2.3437	1.8164	0.4024	2	0.3843	0.9830	0.4573	0.5257
9/7/2001	10/8/2001	11/28/2001	1456	31	0.9812	2.3231	1.8155	0.4032	1	0.3866	0.9564	0.4503	0.5060
9/7/2001	10/8/2001	11/28/2001	1457	31	0.9807	1.8435	1.5694	0.4034	0	0.3883	0.4756	0.2030	0.2725
9/7/2001	10/8/2001	11/28/2001	1458	31	0.9842	1.6955	1.5007	0.4037	1	0.3871	0.3253	0.1321	0.1932
9/7/2001	10/8/2001	11/28/2001	1459	31	0.9834	2.4913	1.7918	0.4006	0	0.3856	1.1234	0.4254	0.6979
9/7/2001	10/8/2001	11/28/2001	1460	31	0.9849	2.4361	1.7916	0.4024	5	0.3798	1.0725	0.4296	0.6429
9/7/2001	10/8/2001	11/28/2001	1461	31	0.9860	1.5525	1.429	0.4022	0	0.3872	0.1804	0.0585	0.1219
9/7/2001	10/8/2001	11/28/2001	1462	31	0.9834	1.5914	1.4358	0.4015	0	0.3865	0.2226	0.0686	0.1540
9/7/2001	10/8/2001	11/28/2001	1463	31	0.9764	1.7141	1.5279	0.4	1	0.3835	0.3552	0.1706	0.1846
9/7/2001	10/8/2001	11/28/2001	1464	31	0.9810	1.926	1.6284	0.4012	0	0.3862	0.5599	0.2639	0.2960
10/8/2001	11/1/2001	1/12/2002	1777	23	0.9648	4.9033	3.2033	0.3916	0	0.3770	3.5626	1.8642	1.6984
10/8/2001	11/1/2001	1/12/2002	1778	23	0.9614	2.0707	1.7434	0.3935	0	0.3788	0.7316	0.4058	0.3257

Table B2: Sediment trap data

Site 402													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/12/2002	1779	23	0.9619	2.2663	1.8265	0.3977	1	0.3813	0.9241	0.4859	0.4382
10/8/2001	11/1/2001	1/12/2002	1780	23	0.9642	2.2351	1.8126	0.3975	0	0.3826	0.8893	0.4684	0.4209
10/8/2001	11/1/2001	1/12/2002	1781	23	0.9562	2.142	1.6966	0.399	0	0.3841	0.8028	0.3589	0.4439
10/8/2001	11/1/2001	1/12/2002	1782	23	0.9533	1.7988	1.5429	0.393	0	0.3783	0.4682	0.2139	0.2544
10/8/2001	11/1/2001	1/12/2002	1783	23	0.9619	2.3558	1.7868	0.3969	0	0.3821	1.0129	0.4454	0.5674
10/8/2001	11/1/2001	1/12/2002	1784	23	0.9651	2.4043	1.8317	0.3996	0	0.3847	1.0556	0.4846	0.5710
10/8/2001	11/1/2001	1/12/2002	1785	23	0.9604	1.6265	1.4273	0.4027	1	0.3861	0.2810	0.0834	0.1977
10/8/2001	11/1/2001	1/12/2002	1786	23	0.9643	1.4802	1.4001	0.4057	0	0.3905	0.1264	0.0479	0.0785
10/8/2001	11/1/2001	1/12/2002	1787	23	0.9659	1.5531	1.444	0.392	1	0.3758	0.2124	0.1049	0.1075
10/8/2001	11/1/2001	1/12/2002	1788	23	0.9630	2.0184	1.6652	0.396	0	0.3812	0.6753	0.3236	0.3516
1/22/2002	**2/5/2002**	**3/12/2002**	**2149**	**14**	**0.9827**	**1.4121**	**1.3957**	**0.3914**	**0**	**0.3768**	**0.0526**	**0.0362**	**0.0164**
1/22/2002	**2/5/2002**	**3/12/2002**	**2150**	**14**	**0.9850**	**1.4365**	**1.4057**	**0.3914**	**0**	**0.3768**	**0.0747**	**0.0439**	**0.0308**
1/22/2002	**2/5/2002**	**3/12/2002**	**2151**	**14**	**0.9839**	**1.4203**	**1.4007**	**0.3879**	**0**	**0.3734**	**0.0630**	**0.0434**	**0.0196**
1/22/2002	**2/5/2002**	**3/12/2002**	**2152**	**14**	**0.9816**	**1.5183**	**1.4612**	**0.3913**	**0**	**0.3767**	**0.1600**	**0.1029**	**0.0571**
1/22/2002	**2/5/2002**	**3/12/2002**	**2153**	**14**	**0.9847**	**1.4415**	**1.4114**	**0.403**	**0**	**0.3879**	**0.0689**	**0.0388**	**0.0301**
1/22/2002	**2/5/2002**	**3/12/2002**	**2154**	**14**	**0.9864**	**1.551**	**1.4584**	**0.4082**	**2**	**0.3899**	**0.1747**	**0.0821**	**0.0926**
1/22/2002	**2/5/2002**	**3/12/2002**	**2155**	**14**	**0.9814**	**1.5236**	**1.441**	**0.4055**	**0**	**0.3903**	**0.1519**	**0.0693**	**0.0826**
1/22/2002	**2/5/2002**	**3/12/2002**	**2156**	**14**	**0.9673**	**1.5052**	**1.4309**	**0.408**	**3**	**0.3882**	**0.1497**	**0.0754**	**0.0743**
1/22/2002	**2/5/2002**	**3/12/2002**	**2157**	**14**	**0.9824**	**1.4553**	**1.4187**	**0.4055**	**0**	**0.3903**	**0.0826**	**0.0460**	**0.0366**
1/22/2002	**2/5/2002**	**3/12/2002**	**2158**	**14**	**0.9869**	**1.4398**	**1.41**	**0.4011**	**0**	**0.3861**	**0.0668**	**0.0370**	**0.0298**
1/22/2002	**2/5/2002**	**3/12/2002**	**2159**	**14**	**0.9794**	**4.918**	**2.9771**	**0.4027**	**0**	**0.3876**	**3.5510**	**1.6101**	**1.9409**
1/22/2002	**2/5/2002**	**3/12/2002**	**2160**	**14**	**0.9832**	**5.7313**	**3.3004**	**0.3967**	**0**	**0.3819**	**4.3662**	**1.9353**	**2.4309**
2/5/2002	**2/18/2002**	**3/7/2002**	**2305**	**13**	**0.9763**	**1.6496**	**1.5348**	**0.4219**	**0**	**0.4061**	**0.2672**	**0.1524**	**0.1148**
2/5/2002	**2/18/2002**	**3/7/2002**	**2306**	**13**	**0.9845**	**1.5358**	**1.4794**	**0.429**	**0**	**0.4130**	**0.1383**	**0.0819**	**0.0564**
2/5/2002	**2/18/2002**	**3/7/2002**	**2307**	**13**	**0.9863**	**2.1557**	**1.8225**	**0.4254**	**0**	**0.4095**	**0.7599**	**0.4267**	**0.3332**
2/5/2002	**2/18/2002**	**3/7/2002**	**2308**	**13**	**0.9763**	**1.9657**	**1.7045**	**0.4225**	**0**	**0.4067**	**0.5827**	**0.3215**	**0.2612**
2/5/2002	**2/18/2002**	**3/7/2002**	**2309**	**13**	**0.9915**	**3.1047**	**2.1281**	**0.4242**	**0**	**0.4083**	**1.7049**	**0.7283**	**0.9766**
2/5/2002	**2/18/2002**	**3/7/2002**	**2310**	**13**	**0.9861**	**1.7866**	**1.5666**	**0.4212**	**0**	**0.4054**	**0.3951**	**0.1751**	**0.2200**
2/5/2002	**2/18/2002**	**3/7/2002**	**2311**	**13**	**0.9813**	**1.7843**	**1.5646**	**0.4226**	**1**	**0.4053**	**0.3977**	**0.1780**	**0.2197**
2/5/2002	**2/18/2002**	**3/7/2002**	**2312**	**13**	**0.9879**	**1.7889**	**1.576**	**0.4237**	**0**	**0.4079**	**0.3931**	**0.1802**	**0.2129**
2/5/2002	**2/18/2002**	**3/7/2002**	**2313**	**13**	**0.9820**	**2.4932**	**1.8314**	**0.425**	**0**	**0.4091**	**1.1021**	**0.4403**	**0.6618**
2/5/2002	**2/18/2002**	**3/7/2002**	**2314**	**13**	**0.9784**	**3.7832**	**2.304**	**0.4214**	**0**	**0.4056**	**2.3992**	**0.9200**	**1.4792**
2/5/2002	**2/18/2002**	**3/7/2002**	**2315**	**13**	**0.9883**	**5.7112**	**3.1676**	**0.425**	**0**	**0.4091**	**4.3138**	**1.7702**	**2.5436**
2/5/2002	**2/18/2002**	**3/7/2002**	**2316**	**13**	**0.9884**	**6.8768**	**3.4268**	**0.4225**	**0**	**0.4067**	**5.4817**	**2.0317**	**3.4500**
2/18/2002	3/3/2002	3/21/2002	2413	13	0.9663	1.4075	1.3927	0.4258	0	0.4099	0.0313	0.0165	0.0148
2/18/2002	3/3/2002	3/21/2002	2414	13	0.9642	1.405	1.3974	0.4298	0	0.4137	0.0271	0.0195	0.0076
2/18/2002	3/3/2002	3/21/2002	2415	13	0.9712	1.4145	1.4041	0.431	0	0.4149	0.0284	0.0180	0.0104
2/18/2002	3/3/2002	3/21/2002	2416	13	0.9752	1.8318	1.6414	0.4307	1	0.4131	0.4435	0.2531	0.1904
2/18/2002	3/3/2002	3/21/2002	2417	13	0.9631	1.403	1.3906	0.4254	1	0.4080	0.0319	0.0195	0.0124
2/18/2002	3/3/2002	3/21/2002	2418	13	0.9662	1.4304	1.4043	0.4305	0	0.4144	0.0498	0.0237	0.0261
2/18/2002	3/3/2002	3/21/2002	2419	13	0.9557	1.3904	1.3784	0.4311	0	0.4150	0.0197	0.0077	0.0120
2/18/2002	3/3/2002	3/21/2002	2420	13	0.9586	1.3773	1.3675	0.4273	2	0.4083	0.0104	0.0006	0.0098
2/18/2002	3/3/2002	3/21/2002	2421	13	0.9602	1.4	1.3875	0.428	0	0.4120	0.0278	0.0153	0.0125
2/18/2002	3/3/2002	3/21/2002	2422	13	0.9534	1.3969	1.3765	0.4285	0	0.4125	0.0310	0.0106	0.0204
2/18/2002	3/3/2002	3/21/2002	2423	13	0.9591	1.6409	1.4908	0.4284	0	0.4124	0.2694	0.1193	0.1501
2/18/2002	3/3/2002	3/21/2002	2424	13	0.9588	1.4302	1.4014	0.4261	0	0.4102	0.0612	0.0324	0.0288
3/3/2002	**3/25/2002**	**4/17/2002**	**2509**	**22**	**0.9861**	**1.6613**	**1.5254**	**0.4258**	**0**	**0.4099**	**0.2653**	**0.1294**	**0.1359**
3/3/2002	**3/25/2002**	**4/17/2002**	**2510**	**22**	**0.9884**	**1.6532**	**1.5452**	**0.4271**	**1**	**0.4096**	**0.2552**	**0.1472**	**0.1080**
3/3/2002	**3/25/2002**	**4/17/2002**	**2511**	**22**	**0.9848**	**1.686**	**1.5644**	**0.4294**	**0**	**0.4133**	**0.2879**	**0.1663**	**0.1216**
3/3/2002	**3/25/2002**	**4/17/2002**	**2512**	**22**	**0.9862**	**1.8916**	**1.6777**	**0.4306**	**0**	**0.4145**	**0.4909**	**0.2770**	**0.2139**
3/3/2002	**3/25/2002**	**4/17/2002**	**2513**	**22**	**0.9788**	**4.1921**	**2.5783**	**0.4265**	**0**	**0.4105**	**2.8028**	**1.1890**	**1.6138**
3/3/2002	**3/25/2002**	**4/17/2002**	**2514**	**22**	**0.9840**	**2.2597**	**1.7801**	**0.428**	**0**	**0.4120**	**0.8637**	**0.3841**	**0.4796**
3/3/2002	**3/25/2002**	**4/17/2002**	**2515**	**22**	**0.9864**	**1.587**	**1.4932**	**0.4289**	**0**	**0.4129**	**0.1877**	**0.0939**	**0.0938**
3/3/2002	**3/25/2002**	**4/17/2002**	**2516**	**22**	**0.9934**	**1.9444**	**1.6608**	**0.4238**	**0**	**0.4080**	**0.5430**	**0.2594**	**0.2836**
3/3/2002	**3/25/2002**	**4/17/2002**	**2517**	**22**	**0.9848**	**1.8613**	**1.6019**	**0.4238**	**0**	**0.4080**	**0.4685**	**0.2091**	**0.2594**

Table B2: Sediment trap data

Site 402													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/3/2002	**3/25/2002**	**4/17/2002**	**2518**	**22**	**0.9886**	**3.5826**	**2.3202**	**0.429**	**0**	**0.4130**	**2.1810**	**0.9186**	**1.2624**
3/3/2002	**3/25/2002**	**4/17/2002**	**2519**	**22**	**0.9817**	**4.5225**	**2.7957**	**0.4252**	**0**	**0.4093**	**3.1315**	**1.4047**	**1.7268**
3/3/2002	**3/25/2002**	**4/17/2002**	**2520**	**22**	**0.9818**	**4.6364**	**2.8313**	**0.4269**	**0**	**0.4109**	**3.2437**	**1.4386**	**1.8051**
3/25/2002	5/8/2002	5/23/2002	2761	44	0.9458	1.57	1.446	0.4248	0	0.4089	0.2153	0.0913	0.1240
3/25/2002	5/8/2002	5/23/2002	2762	44	0.9478	1.4	1.3684	0.4246	0	0.4087	0.0435	0.0119	0.0316
3/25/2002	5/8/2002	5/23/2002	2763	44	0.9463	1.5501	1.4335	0.4274	4	0.4054	0.1984	0.0818	0.1166
3/25/2002	5/8/2002	5/23/2002	2764	44	0.9436	1.7031	1.5219	0.4291	2	0.4100	0.3495	0.1683	0.1812
3/25/2002	5/8/2002	5/23/2002	2765	44	0.9443	2.3208	1.7479	0.4274	2	0.4084	0.9681	0.3952	0.5729
3/25/2002	5/8/2002	5/23/2002	2766	44	0.9470	1.7106	1.5146	0.432	0	0.4158	0.3478	0.1518	0.1960
3/25/2002	5/8/2002	5/23/2002	2767	44	0.9433	1.625	1.4608	0.4306	0	0.4145	0.2672	0.1030	0.1642
3/25/2002	5/8/2002	5/23/2002	2768	44	0.9430	1.7969	1.5476	0.4315	0	0.4154	0.4385	0.1892	0.2493
3/25/2002	5/8/2002	5/23/2002	2769	44	0.9406	1.6372	1.4772	0.4289	0	0.4129	0.2837	0.1237	0.1600
3/25/2002	5/8/2002	5/23/2002	2770	44	0.9390	1.6905	1.487	0.4276	0	0.4116	0.3399	0.1364	0.2035
3/25/2002	5/8/2002	5/23/2002	2771	44	0.9364	4.1055	2.5122	0.4278	0	0.4118	2.7573	1.1640	1.5933
3/25/2002	5/8/2002	5/23/2002	2772	44	0.9405	2.3185	1.7799	0.4271	0	0.4111	0.9669	0.4283	0.5386
5/8/2002	6/12/2002	6/18/2002	2929	35	0.9804	1.6357	1.5136	0.4278	0	0.4118	0.2435	0.1214	0.1221
5/8/2002	6/12/2002	6/18/2002	2930	35	0.9754	1.6822	1.54	0.4292	0	0.4131	0.2937	0.1515	0.1422
5/8/2002	6/12/2002	6/18/2002	2931	35	0.9926	1.4961	1.4357	0.4261	2	0.4071	0.0964	0.0360	0.0604
5/8/2002	6/12/2002	6/18/2002	2932	35	0.9933	1.6007	1.4983	0.4285	2	0.4094	0.1980	0.0956	0.1024
5/8/2002	6/12/2002	6/18/2002	2933	35	0.9898	1.6041	1.4917	0.4241	0	0.4082	0.2061	0.0937	0.1124
5/8/2002	6/12/2002	6/18/2002	2934	35	0.9842	1.5677	1.4749	0.4291	0	0.4131	0.1704	0.0776	0.0928
5/8/2002	6/12/2002	6/18/2002	2935	35	0.9916	1.4484	1.4039	0.4264	4	0.4044	0.0524	0.0079	0.0445
5/8/2002	6/12/2002	6/18/2002	2936	35	0.9897	1.6128	1.4283	0.4295	0	0.4134	0.2097	0.0252	0.1845
5/8/2002	6/12/2002	6/18/2002	2937	35	0.9851	1.6893	1.494	0.4279	0	0.4119	0.2923	0.0970	0.1953
5/8/2002	6/12/2002	6/18/2002	2938	35	0.9847	1.6815	1.4949	0.4273	0	0.4113	0.2855	0.0989	0.1866
5/8/2002	6/12/2002	6/18/2002	2939	35	0.9848	1.6397	1.5166	0.427	0	0.4110	0.2439	0.1208	0.1231
5/8/2002	6/12/2002	6/18/2002	2940	35	0.9754	1.7342	1.563	0.4252	0	0.4093	0.3495	0.1783	0.1712
6/12/2002	7/16/2002	7/31/2002	3061	34	0.9640	2.5775	1.9744	0.4306	0	0.4145	1.1990	0.5959	0.6031
6/12/2002	7/16/2002	7/31/2002	3062	34	0.9605	2.5223	1.9263	0.4306	0	0.4145	1.1473	0.5513	0.5960
6/12/2002	7/16/2002	7/31/2002	3063	34	0.9588	5.6788	3.7227	0.4288	0	0.4128	4.3072	2.3511	1.9561
6/12/2002	7/16/2002	7/31/2002	3064	34	0.9587	1.9658	1.6788	0.4294	0	0.4133	0.5938	0.3068	0.2870
6/12/2002	7/16/2002	7/31/2002	**3069**	34	0.9669	4.3433	2.3316	0.429	0	0.4157	0.3141	0.1196	0.1945
6/12/2002	7/16/2002	7/31/2002	**3070**	34	0.9649	2.9368	1.8856	0.4291	0	0.4119	0.5844	0.2398	0.3446
6/12/2002	7/16/2002	7/31/2002	**3071**	34	0.9667	4.1756	2.6601	0.4295	3	0.4157	0.3305	0.0947	0.2358
6/12/2002	7/16/2002	7/31/2002	**3072**	34	0.9665	3.4822	2.3622	0.425	3	0.4130	0.1569	0.0398	0.1171
6/12/2002	7/16/2002	7/31/2002	3065	34	0.9606	1.6904	1.4959	0.4318	0	0.4130	2.9634	0.9517	2.0117
6/12/2002	7/16/2002	7/31/2002	3066	34	0.9576	1.9539	1.6093	0.4279	0	0.4131	1.5588	0.5076	1.0512
6/12/2002	7/16/2002	7/31/2002	3067	34	0.9666	1.7128	1.477	0.4319	0	0.4089	2.8000	1.2845	1.5155
6/12/2002	7/16/2002	7/31/2002	3068	34	0.9650	1.5349	1.4178	0.4322	2	0.4046	2.1111	0.9911	1.1200
7/16/2002	8/9/2002	8/13/2002	3205	24	0.9721	1.3933	1.3775	0.4265	2	0.4157	0.0055	-0.0103	0.0158
7/16/2002	8/9/2002	8/13/2002	3206	24	0.9721	1.4207	1.391	0.4243	0	0.4119	0.0367	0.0070	0.0297
7/16/2002	8/9/2002	8/13/2002	3207	24	0.9800	1.5846	1.4419	0.4253	0	0.4157	0.1889	0.0462	0.1427
7/16/2002	8/9/2002	8/13/2002	3208	24	0.9796	1.7493	1.5081	0.4287	1	0.4130	0.3567	0.1155	0.2412
7/16/2002	8/9/2002	8/13/2002	3209	24	0.9794	1.4364	1.4042	0.4246	1	0.4075	0.0495	0.0173	0.0322
7/16/2002	8/9/2002	8/13/2002	3210	24	0.9732	1.4003	1.3778	0.4267	1	0.4084	0.0187	-0.0038	0.0225
7/16/2002	8/9/2002	8/13/2002	3211	24	0.9802	1.4014	1.384	0.4266	6	0.4094	0.0118	-0.0056	0.0174
7/16/2002	8/9/2002	8/13/2002	3212	24	0.9788	1.3978	1.3721	0.4221	5	0.4112	0.0078	-0.0179	0.0257
7/16/2002	8/9/2002	8/13/2002	3213	24	0.9770	1.4774	1.4181	0.426	0	0.4072	0.0932	0.0339	0.0593
7/16/2002	8/9/2002	8/13/2002	3214	24	0.9779	1.5123	1.4304	0.4254	0	0.4092	0.1252	0.0433	0.0819
7/16/2002	8/9/2002	8/13/2002	3215	24	0.9745	3.2279	2.1932	0.4267	5	0.4016	1.8518	0.8171	1.0347
7/16/2002	8/9/2002	8/13/2002	3216	24	0.9752	2.4142	1.8129	0.4255	0	0.3988	1.0402	0.4389	0.6013

Table B2: Sediment trap data

Site 403													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/26/2001	2/23/2001	3/5/2001	121	28	32.4944	32.8861	32.8744	0.3878	0	0.3733	0.0184	0.0067	0.0117
1/26/2001	2/23/2001	3/5/2001	122	28	31.5372	31.9056	31.8955	0.3879	0	0.3734	-0.0050	-0.0151	0.0101
1/26/2001	2/23/2001	3/5/2001	123	28	31.1798	31.6898	31.646	0.3884	0	0.3739	0.1361	0.0923	0.0438
1/26/2001	2/23/2001	3/5/2001	124	28	31.4171	31.8341	31.8174	0.3922	0	0.3775	0.0395	0.0228	0.0167
1/26/2001	2/23/2001	3/5/2001	125	28	30.5232	31.0319	30.9775	0.3893	0	0.3747	0.1340	0.0796	0.0544
1/26/2001	2/23/2001	3/5/2001	126	28	30.1081	30.5328	30.513	0.3962	0	0.3814	0.0433	0.0235	0.0198
1/26/2001	2/23/2001	3/5/2001	127	28	31.3039	31.7534	31.7323	0.3943	0	0.3796	0.0699	0.0488	0.0211
1/26/2001	2/23/2001	3/5/2001	128	28	30.8061	31.2754	31.2503	0.3939	0	0.3792	0.0901	0.0650	0.0251
1/26/2001	2/23/2001	3/5/2001	129	28	32.9071	33.3547	33.3257	0.3987	0	0.3838	0.0638	0.0348	0.0290
1/26/2001	2/23/2001	3/5/2001	130	28	31.3919	31.8781	31.8254	0.3984	0	0.3835	0.1027	0.0500	0.0527
1/26/2001	2/23/2001	3/5/2001	131	28	31.6807	32.1731	32.1463	0.3982	0	0.3833	0.1091	0.0823	0.0268
1/26/2001	2/23/2001	3/5/2001	132	28	30.4477	30.9028	30.8771	0.3911	0	0.3765	0.0786	0.0529	0.0257
2/23/2001	3/8/2001	3/13/2001	385	13	30.4481	30.7995	30.798	0.3936	0	0.3789	-0.0275	-0.0290	0.0015
2/23/2001	3/8/2001	3/13/2001	386	13	29.6994	30.0477	30.0464	0.3963	0	0.3815	-0.0332	-0.0345	0.0013
2/23/2001	3/8/2001	3/13/2001	387	13	30.8064	31.1933	31.1885	0.3987	0	0.3838	0.0031	-0.0017	0.0048
2/23/2001	3/8/2001	3/13/2001	388	13	32.1265	32.5169	32.5089	0.3931	0	0.3784	0.0120	0.0040	0.0080
2/23/2001	3/8/2001	3/13/2001	389	13	32.4946	32.9035	32.8905	0.395	0	0.3802	0.0287	0.0157	0.0130
2/23/2001	3/8/2001	3/13/2001	390	13	33.3747	33.794	33.7753	0.3964	0	0.3816	0.0377	0.0190	0.0187
2/23/2001	3/8/2001	3/13/2001	391	13	31.0465	31.4196	31.4113	0.3795	0	0.3653	0.0078	-0.0005	0.0083
2/23/2001	3/8/2001	3/13/2001	392	13	30.7941	31.2055	31.1923	0.3997	0	0.3848	0.0266	0.0134	0.0132
2/23/2001	3/8/2001	3/13/2001	393	13	30.7737	31.1879	31.1729	0.3991	0	0.3842	0.0300	0.0150	0.0150
2/23/2001	3/8/2001	3/13/2001	394	13	31.3043	31.7083	31.6922	0.3924	0	0.3777	0.0263	0.0102	0.0161
2/23/2001	3/8/2001	3/13/2001	395	13	30.3042	30.7058	30.6943	0.3932	0	0.3785	0.0231	0.0116	0.0115
2/23/2001	3/8/2001	3/13/2001	396	13	31.6510	32.0532	32.0403	0.3969	0	0.3821	0.0201	0.0072	0.0129
3/8/2001	**3/23/2001**	**5/1/2001**	**505**	**15**	**30.7856**	**31.2376**	**31.2131**	**0.3853**	**5**	**0.3633**	**0.0887**	**0.0642**	**0.0245**
3/8/2001	**3/23/2001**	**5/1/2001**	**506**	**15**	**32.0824**	**32.6112**	**32.5392**	**0.379**	**7**	**0.3542**	**0.1746**	**0.1026**	**0.0720**
3/8/2001	**3/23/2001**	**5/1/2001**	**507**	**15**	**30.9892**	**31.5047**	**31.4541**	**0.3798**	**6**	**0.3565**	**0.1590**	**0.1084**	**0.0506**
3/8/2001	**3/23/2001**	**5/1/2001**	**508**	**15**	**30.1571**	**30.6421**	**30.6074**	**0.3783**	**2**	**0.3611**	**0.1239**	**0.0892**	**0.0347**
3/8/2001	**3/23/2001**	**5/1/2001**	**509**	**15**	**32.2890**	**32.8492**	**32.7862**	**0.3948**	**12**	**0.3619**	**0.1983**	**0.1353**	**0.0630**
3/8/2001	**3/23/2001**	**5/1/2001**	**510**	**15**	**31.6806**	**32.2959**	**32.2148**	**0.3965**	**7**	**0.3711**	**0.2442**	**0.1631**	**0.0811**
3/8/2001	**3/23/2001**	**5/1/2001**	**511**	**15**	**31.4531**	**32.0686**	**31.9953**	**0.3953**	**6**	**0.3714**	**0.2441**	**0.1708**	**0.0733**
3/8/2001	**3/23/2001**	**5/1/2001**	**512**	**15**	**30.5140**	**31.0774**	**31.0231**	**0.4011**	**4**	**0.3800**	**0.1834**	**0.1291**	**0.0543**
3/8/2001	**3/23/2001**	**5/1/2001**	**513**	**15**	**31.9160**	**32.4326**	**32.3848**	**0.399**	**9**	**0.3705**	**0.1461**	**0.0983**	**0.0478**
3/8/2001	**3/23/2001**	**5/1/2001**	**514**	**15**	**28.0974**	**28.7293**	**28.6155**	**0.3953**	**8**	**0.3684**	**0.2635**	**0.1497**	**0.1138**
3/8/2001	**3/23/2001**	**5/1/2001**	**515**	**15**	**31.3036**	**31.8065**	**31.7609**	**0.3928**	**0**	**0.3781**	**0.1248**	**0.0792**	**0.0456**
3/8/2001	**3/23/2001**	**5/1/2001**	**516**	**15**	**31.6506**	**32.265**	**32.1485**	**0.3964**	**5**	**0.3740**	**0.2404**	**0.1239**	**0.1165**
3/23/2001	4/27/2001	5/21/2001	709	35	1.0206	1.483	1.4339	0.4292	11	0.3965	0.0670	0.0195	0.0475
3/23/2001	4/27/2001	5/21/2001	710	35	1.0129	1.5766	1.4685	0.424	7.5	0.3968	0.1680	0.0615	0.1065
3/23/2001	4/27/2001	5/21/2001	711	35	1.0151	1.6968	1.5405	0.4146	2	0.3961	0.2867	0.1321	0.1547
3/23/2001	4/27/2001	5/21/2001	712	35	1.0151	1.6588	1.4942	0.4136	8	0.3860	0.2588	0.0958	0.1630
3/23/2001	4/27/2001	5/21/2001	713	35	1.0168	1.6136	1.5185	0.4374	2	0.4180	0.1799	0.0864	0.0935
3/23/2001	4/27/2001	5/21/2001	714	35	1.0147	1.6795	1.5436	0.4356	2	0.4163	0.2496	0.1154	0.1343
3/23/2001	4/27/2001	5/21/2001	715	35	1.0214	1.5202	1.4737	0.4259	0	0.4100	0.0899	0.0451	0.0449
3/23/2001	4/27/2001	5/21/2001	716	35	1.0114	1.5753	1.4945	0.4205	0	0.4048	0.1602	0.0811	0.0792
3/23/2001	4/27/2001	5/21/2001	717	35	1.0143	1.5233	1.4512	0.4112	0	0.3958	0.1143	0.0438	0.0705
3/23/2001	4/27/2001	5/21/2001	718	35	1.0149	1.5123	1.4664	0.4423	0	0.4258	0.0727	0.0285	0.0443
3/23/2001	4/27/2001	5/21/2001	719	35	1.0167	1.5225	1.4747	0.4366	1	0.4188	0.0881	0.0420	0.0462
3/23/2001	4/27/2001	5/21/2001	720	35	1.0169	1.5265	1.4684	0.4306	5	0.4069	0.1038	0.0473	0.0565
4/27/2001	5/28/2001	7/2/2001	925	31	0.9968	1.4399	1.3796	0.3917	1	0.3755	0.0686	0.0100	0.0587
4/27/2001	5/28/2001	7/2/2001	926	31	0.9973	1.4996	1.3959	0.3931	0	0.3784	0.1250	0.0229	0.1021
4/27/2001	5/28/2001	7/2/2001	927	31	0.9978	1.6773	1.4554	0.3945	0	0.3797	0.3008	0.0805	0.2203
4/27/2001	5/28/2001	7/2/2001	928	31	0.9943	1.5795	1.4411	0.391	2	0.3734	0.2129	0.0761	0.1368
4/27/2001	5/28/2001	7/2/2001	929	31	0.9999	1.7264	1.5241	0.3906	0	0.3760	0.3516	0.1509	0.2007
4/27/2001	5/28/2001	7/2/2001	930	31	0.9948	1.7696	1.5337	0.395	0	0.3802	0.3957	0.1614	0.2343
4/27/2001	5/28/2001	7/2/2001	931	31	0.9930	1.5271	1.4095	0.3932	4	0.3724	0.1627	0.0467	0.1160

Table B2: Sediment trap data

Site 403													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/27/2001	5/28/2001	7/2/2001	932	31	0.9979	1.6366	1.4686	0.395	1	0.3787	0.2611	0.0947	0.1664
4/27/2001	5/28/2001	7/2/2001	933	31	0.9964	1.7629	1.4947	0.3938	0	0.3791	0.3885	0.1219	0.2666
4/27/2001	5/28/2001	7/2/2001	934	31	0.9962	1.4927	1.4032	0.3952	0	0.3804	0.1172	0.0293	0.0879
4/27/2001	5/28/2001	7/2/2001	935	31	0.9994	1.579	1.444	0.3953	12	0.3624	0.2183	0.0849	0.1334
4/27/2001	5/28/2001	7/2/2001	936	31	0.9998	1.5071	1.3992	0.3914	25	0.3390	0.1694	0.0631	0.1063
5/28/2001	6/26/2001	7/12/2001	1045	29	0.9735	1.3855	1.3298	0.3922	28	0.3352	0.0779	0.0237	0.0541
5/28/2001	6/26/2001	7/12/2001	1046	29	0.9717	1.4727	1.3803	0.3903	6	0.3666	0.1354	0.0446	0.0908
5/28/2001	6/26/2001	7/12/2001	1047	29	0.9704	1.4138	1.3671	0.3898	18	0.3480	0.0965	0.0513	0.0451
5/28/2001	6/26/2001	7/12/2001	1048	29	0.9714	1.4462	1.37	0.391	3	0.3718	0.1040	0.0294	0.0746
5/28/2001	6/26/2001	7/12/2001	1049	29	0.9706	1.4519	1.3805	0.3902	3	0.3711	0.1113	0.0415	0.0698
5/28/2001	6/26/2001	7/12/2001	1050	29	0.9715	1.4611	1.3872	0.3953	3	0.3760	0.1147	0.0423	0.0723
5/28/2001	6/26/2001	7/12/2001	1051	29	0.9739	1.4246	1.3716	0.3953	5	0.3730	0.0788	0.0274	0.0514
5/28/2001	6/26/2001	7/12/2001	1052	29	0.9736	1.4434	1.3824	0.3939	1	0.3777	0.0932	0.0338	0.0594
5/28/2001	6/26/2001	7/12/2001	1053	29	0.9734	1.4236	1.3717	0.3918	1	0.3756	0.0756	0.0253	0.0503
5/28/2001	6/26/2001	7/12/2001	1054	29	0.9717	1.4212	1.3704	0.3923	1	0.3761	0.0744	0.0252	0.0492
5/28/2001	6/26/2001	7/12/2001	1055	29	0.9767	1.4421	1.3818	0.3885	4	0.3679	0.0985	0.0398	0.0587
5/28/2001	6/26/2001	7/12/2001	1056	29	0.9735	1.4339	1.3517	0.3865	12	0.3539	0.1076	0.0269	0.0806
6/26/2001	7/26/2001	8/3/2001	1213	30	0.9812	1.4229	1.3859	0.4206	5	0.3973	0.0455	0.0100	0.0354
6/26/2001	7/26/2001	8/3/2001	1214	30	0.9797	1.3902	1.3489	0.3501	2	0.3340	0.0776	0.0379	0.0397
6/26/2001	7/26/2001	8/3/2001	1215	30	0.9820	1.4699	1.3856	0.3949	0	0.3801	0.1088	0.0261	0.0827
6/26/2001	7/26/2001	8/3/2001	1216	30	0.9775	1.6133	1.4085	0.3955	2	0.3777	0.2592	0.0560	0.2032
6/26/2001	7/26/2001	8/3/2001	1217	30	0.9738	1.5699	1.4329	0.3956	0	0.3808	0.2164	0.0809	0.1354
6/26/2001	7/26/2001	8/3/2001	1218	30	0.9814	1.5813	1.427	0.3965	0	0.3817	0.2193	0.0666	0.1527
6/26/2001	7/26/2001	8/3/2001	1219	30	0.9809	1.4785	1.3903	0.3863	9	0.3582	0.1404	0.0538	0.0866
6/26/2001	7/26/2001	8/3/2001	1220	30	0.9803	1.525	1.4101	0.3954	2	0.3776	0.1682	0.0549	0.1133
6/26/2001	7/26/2001	8/3/2001	1221	30	0.9785	1.4617	1.3876	0.3939	1	0.3777	0.1066	0.0341	0.0725
6/26/2001	7/26/2001	8/3/2001	1222	30	0.9794	1.4362	1.3801	0.3965	1	0.3802	0.0777	0.0232	0.0545
6/26/2001	7/26/2001	8/3/2001	1223	30	0.9828	1.4905	1.4134	0.3992	1	0.3828	0.1260	0.0505	0.0755
6/26/2001	7/26/2001	8/3/2001	1224	30	0.9814	1.5079	1.4121	0.3985	1	0.3821	0.1455	0.0513	0.0942
7/26/2001	9/7/2001	9/17/2001	1357	43	0.9868	1.5309	1.4026	0.415	1	0.3980	0.1472	0.0205	0.1267
7/26/2001	9/7/2001	9/17/2001	1358	43	0.9850	1.515	1.4045	0.4169	0	0.4013	0.1298	0.0209	0.1089
7/26/2001	9/7/2001	9/17/2001	1359	43	0.9817	1.5622	1.4186	0.4167	0	0.4011	0.1805	0.0384	0.1420
7/26/2001	9/7/2001	9/17/2001	1360	43	0.9907	1.5176	1.4116	0.4146	1	0.3976	0.1304	0.0260	0.1044
7/26/2001	9/7/2001	9/17/2001	1361	43	0.9842	1.5545	1.4233	0.4151	0	0.3996	0.1718	0.0422	0.1296
7/26/2001	9/7/2001	9/17/2001	1362	43	0.9888	1.4692	1.401	0.4184	0	0.4028	0.0787	0.0121	0.0666
7/26/2001	9/7/2001	9/17/2001	1363	43	0.9812	1.4566	1.38	0.4126	1	0.3957	0.0808	0.0058	0.0750
7/26/2001	9/7/2001	9/17/2001	1364	43	0.9930	1.6674	1.4255	0.414	1	0.3970	0.2785	0.0382	0.2403
7/26/2001	9/7/2001	9/17/2001	1365	43	0.9858	1.5002	1.4092	0.4157	0	0.4002	0.1153	0.0259	0.0894
7/26/2001	9/7/2001	9/17/2001	1366	43	0.9868	1.4952	1.4061	0.4159	0	0.4003	0.1091	0.0216	0.0875
7/26/2001	9/7/2001	9/17/2001	1367	43	0.9846	1.4992	1.408	0.4124	0	0.3970	0.1187	0.0291	0.0896
7/26/2001	9/7/2001	9/17/2001	1368	43	0.9812	1.5074	1.4119	0.4125	0	0.3971	0.1302	0.0363	0.0939
9/7/2001	10/8/2001	11/5/2001	1525	31	0.9738	1.711	1.4855	0.3985	0	0.3836	0.3547	0.1307	0.2239
9/7/2001	10/8/2001	11/5/2001	1526	31	0.9714	1.5383	1.4384	0.4149	0	0.3994	0.1686	0.0702	0.0983
9/7/2001	10/8/2001	11/5/2001	1527	31	0.9711	1.5797	1.4428	0.4071	0	0.3919	0.2178	0.0824	0.1353
9/7/2001	10/8/2001	11/5/2001	1528	31	0.9718	1.4271	1.3865	0.4094	0	0.3941	0.0623	0.0232	0.0390
9/7/2001	10/8/2001	11/5/2001	1529	31	0.9725	1.6161	1.4637	0.4037	0	0.3886	0.2561	0.1052	0.1508
9/7/2001	10/8/2001	11/5/2001	1530	31	0.9700	1.5175	1.4306	0.3994	0	0.3845	0.1641	0.0788	0.0853
9/7/2001	10/8/2001	11/5/2001	1531	31	0.9705	1.5501	1.4382	0.4166	0	0.4010	0.1796	0.0693	0.1103
9/7/2001	10/8/2001	11/5/2001	1532	31	0.9720	1.7851	1.4935	0.4007	0	0.3857	0.4284	0.1384	0.2900
9/7/2001	10/8/2001	11/5/2001	1533	31	0.9759	1.4735	1.4118	0.4056	0	0.3904	0.1082	0.0481	0.0601
9/7/2001	10/8/2001	11/5/2001	1534	31	0.9723	1.5013	1.4355	0.4113	0	0.3959	0.1341	0.0699	0.0642
9/7/2001	10/8/2001	11/5/2001	1535	31	0.9737	1.6339	1.4731	0.4119	0	0.3965	0.2648	0.1055	0.1592
9/7/2001	10/8/2001	11/5/2001	1536	31	0.9751	1.6296	1.4613	0.4199	0	0.4042	0.2514	0.0846	0.1667
10/8/2001	11/1/2001	1/12/2001	1741	23	0.9635	1.5235	1.4172	0.4037	0	0.3886	0.1724	0.0677	0.1047
10/8/2001	11/1/2001	1/12/2001	1742	23	0.9647	1.6049	1.4406	0.3913	1	0.3752	0.2661	0.1034	0.1627

Table B2: Sediment trap data

Site 403													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/12/2001	1743	23	0.9630	1.4547	1.3929	0.3921	1	0.3759	0.1168	0.0566	0.0602
10/8/2001	11/1/2001	1/12/2001	1744	23	0.9648	1.5124	1.4109	0.3971	1	0.3807	0.1679	0.0680	0.0999
10/8/2001	11/1/2001	1/12/2001	1745	23	0.9631	1.5419	1.4462	0.4003	2	0.3823	0.1975	0.1034	0.0941
10/8/2001	11/1/2001	1/12/2001	1746	23	0.9659	1.4566	1.3978	0.4025	0	0.3874	0.1043	0.0471	0.0572
10/8/2001	11/1/2001	1/12/2001	1747	23	0.9540	1.4392	1.3816	0.3941	0	0.3794	0.1069	0.0508	0.0561
10/8/2001	11/1/2001	1/12/2001	1748	23	0.9605	1.5089	1.4105	0.3948	0	0.3800	0.1694	0.0726	0.0969
10/8/2001	11/1/2001	1/12/2001	1749	23	0.9566	1.6156	1.4777	0.4001	1	0.3836	0.2764	0.1401	0.1364
10/8/2001	11/1/2001	1/12/2001	1750	23	0.9630	1.7924	1.5788	0.4031	0	0.3880	0.4424	0.2304	0.2120
10/8/2001	11/1/2001	1/12/2001	1751	23	0.9641	1.3933	1.3611	0.4012	0	0.3862	0.0441	0.0134	0.0306
10/8/2001	11/1/2001	1/12/2001	1752	23	0.9607	1.6377	1.4719	0.4008	0	0.3858	0.2922	0.1280	0.1643
1/22/2002	2/4/2002	2/14/2002	2161	13	0.9967	1.4478	1.4217	0.413	2	0.3945	0.0566	0.0305	0.0261
1/22/2002	2/4/2002	2/14/2002	2162	13	0.9897	1.4319	1.4102	0.4119	0	0.3965	0.0457	0.0240	0.0217
1/22/2002	2/4/2002	2/14/2002	2163	13	0.9936	1.4441	1.4208	0.4127	1	0.3958	0.0547	0.0314	0.0233
1/22/2002	2/4/2002	2/14/2002	2164	13	0.9953	1.564	1.4816	0.413	0	0.3976	0.1711	0.0887	0.0824
1/22/2002	2/4/2002	2/14/2002	2165	13	0.9909	1.5884	1.4908	0.4084	0	0.3931	0.2044	0.1068	0.0976
1/22/2002	2/4/2002	2/14/2002	2166	13	0.9944	2.583	1.9503	0.4075	0	0.3923	1.1963	0.5636	0.6327
1/22/2002	2/4/2002	2/14/2002	2167	13	0.9969	1.457	1.4298	0.4051	1	0.3884	0.0717	0.0445	0.0272
1/22/2002	2/4/2002	2/14/2002	2168	13	0.9816	2.1906	1.7291	0.4005	1	0.3840	0.8250	0.3635	0.4615
1/22/2002	2/4/2002	2/14/2002	2169	13	0.9884	1.585	1.4821	0.3985	0	0.3836	0.2130	0.1101	0.1029
1/22/2002	2/4/2002	2/14/2002	2170	13	0.9979	1.5505	1.4599	0.3996	0	0.3847	0.1679	0.0773	0.0906
1/22/2002	2/4/2002	2/14/2002	2171	13	0.9944	1.4858	1.4394	0.3989	1	0.3825	0.1089	0.0625	0.0464
1/22/2002	2/4/2002	2/14/2002	2172	13	0.9969	1.475	1.4413	0.4165	1	0.3994	0.0787	0.0450	0.0337
2/4/2002	2/18/2002	4/8/2002	2281	14	0.9704	1.4052	1.3936	0.4236	0	0.4078	0.0270	0.0154	0.0116
2/4/2002	2/18/2002	4/8/2002	2282	14	0.9663	1.4086	1.3933	0.422	0	0.4062	0.0361	0.0208	0.0153
2/4/2002	2/18/2002	4/8/2002	2283	14	0.9728	1.5225	1.4551	0.4241	0	0.4082	0.1415	0.0741	0.0674
2/4/2002	2/18/2002	4/8/2002	2284	14	0.9697	1.5257	1.4472	0.4218	0	0.4060	0.1500	0.0715	0.0785
2/4/2002	2/18/2002	4/8/2002	2285	14	0.9702	2.5033	2.0161	0.4237	0	0.4079	1.1252	0.6380	0.4872
2/4/2002	2/18/2002	4/8/2002	2286	14	0.9663	2.4118	1.9448	0.4234	2	0.4045	1.0410	0.5740	0.4670
2/4/2002	2/18/2002	4/8/2002	2287	14	0.9701	1.7428	1.5958	0.4219	1	0.4046	0.3681	0.2211	0.1470
2/4/2002	2/18/2002	4/8/2002	2288	14	0.9716	1.756	1.603	0.4238	3	0.4034	0.3810	0.2280	0.1530
2/4/2002	2/18/2002	4/8/2002	2289	14	0.9746	1.5313	1.4732	0.4227	0	0.4069	0.1498	0.0917	0.0581
2/4/2002	2/18/2002	4/8/2002	2290	14	0.9696	1.4434	1.4103	0.4243	4	0.4024	0.0714	0.0383	0.0331
2/4/2002	2/18/2002	4/8/2002	2291	14	0.9747	1.7351	1.5731	0.4206	0	0.4049	0.3555	0.1935	0.1620
2/4/2002	2/18/2002	4/8/2002	2292	14	0.9720	1.6038	1.4831	0.4241	0	0.4082	0.2236	0.1029	0.1207
2/18/2002	3/3/2002	3/27/2002	2473	13	0.9803	1.4275	1.4111	0.4308	0	0.4147	0.0325	0.0161	0.0164
2/18/2002	3/3/2002	3/27/2002	2474	13	0.9696	1.4306	1.402	0.4267	14	0.3896	0.0714	0.0428	0.0286
2/18/2002	3/3/2002	3/27/2002	2475	13	0.9757	4.2444	3.0372	0.4303	2	0.4112	2.8575	1.6503	1.2072
2/18/2002	3/3/2002	3/27/2002	2476	13	0.9831	3.9828	2.7991	0.4314	2	0.4122	2.5875	1.4038	1.1837
2/18/2002	3/3/2002	3/27/2002	2477	13	0.9826	2.0096	1.7531	0.4317	0	0.4156	0.6114	0.3549	0.2565
2/18/2002	3/3/2002	3/27/2002	2478	13	0.9817	1.7361	1.5631	0.4305	0	0.4144	0.3400	0.1670	0.1730
2/18/2002	3/3/2002	3/27/2002	2479	13	0.9792	1.443	1.4235	0.4307	0	0.4146	0.0492	0.0297	0.0195
2/18/2002	3/3/2002	3/27/2002	2480	13	0.9794	1.8068	1.6092	0.4322	0	0.4160	0.4114	0.2138	0.1976
2/18/2002	3/3/2002	3/27/2002	2481	13	0.9766	1.475	1.4381	0.4344	0	0.4182	0.0802	0.0433	0.0369
2/18/2002	3/3/2002	3/27/2002	2482	13	0.9771	1.4325	1.4146	0.4293	1	0.4117	0.0437	0.0258	0.0179
2/18/2002	3/3/2002	3/27/2002	2483	13	0.9788	1.7499	1.5766	0.4299	0	0.4138	0.3573	0.1840	0.1733
2/18/2002	3/3/2002	3/27/2002	2484	13	0.9839	1.4569	1.4293	0.4304	0	0.4143	0.0587	0.0311	0.0276
3/3/2002	3/26/2002	4/18/2002	2569	23	0.9854	1.7623	1.5474	0.4319	0	0.4157	0.3612	0.1463	0.2149
3/3/2002	3/26/2002	4/18/2002	2570	23	0.9869	1.4593	1.4278	0.4318	0	0.4157	0.0567	0.0252	0.0315
3/3/2002	3/26/2002	4/18/2002	2571	23	0.9830	1.5377	1.4753	0.4328	0	0.4166	0.1381	0.0757	0.0624
3/3/2002	3/26/2002	4/18/2002	2572	23	0.9853	1.6603	1.5324	0.4297	1	0.4121	0.2629	0.1350	0.1279
3/3/2002	3/26/2002	4/18/2002	2573	23	0.9829	2.496	2.0517	0.4318	0	0.4157	1.0974	0.6531	0.4443
3/3/2002	3/26/2002	4/18/2002	2574	23	0.9833	2.4236	2.0005	0.427	0	0.4110	1.0293	0.6062	0.4231
3/3/2002	3/26/2002	4/18/2002	2575	23	0.9862	1.6809	1.548	0.4272	0	0.4112	0.2835	0.1506	0.1329
3/3/2002	3/26/2002	4/18/2002	2576	23	0.9898	2.0278	1.7168	0.4292	0	0.4131	0.6249	0.3139	0.3110
3/3/2002	3/26/2002	4/18/2002	2577	23	0.9866	2.0376	1.7081	0.4316	1	0.4139	0.6371	0.3076	0.3295

Table B2: Sediment trap data

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Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/3/2002	**3/26/2002**	**4/18/2002**	**2578**	**23**	**0.9863**	**1.796**	**1.6217**	**0.4305**	**5**	**0.4068**	**0.4029**	**0.2286**	**0.1743**
3/3/2002	**3/26/2002**	**4/18/2002**	**2579**	**23**	**0.9847**	**1.5819**	**1.4977**	**0.4266**	**6**	**0.4016**	**0.1956**	**0.1114**	**0.0842**
3/3/2002	**3/26/2002**	**4/18/2002**	**2580**	**23**	**0.9855**	**1.8491**	**1.6083**	**0.4257**	**2**	**0.4068**	**0.4568**	**0.2160**	**0.2408**
3/26/2002	5/7/2002	5/23/2002	2785	42	0.9377	2.3811	1.8781	0.4292	**0**	0.4131	1.0303	0.5273	0.5030
3/26/2002	5/7/2002	5/23/2002	2786	42	0.9435	1.558	1.4499	0.4253	**2**	0.4064	0.2081	0.1000	0.1081
3/26/2002	5/7/2002	5/23/2002	2787	42	0.9410	2.9065	2.2024	0.4286	**0**	0.4126	1.5529	0.8488	0.7041
3/26/2002	5/7/2002	5/23/2002	2788	42	0.9449	2.9273	2.1794	0.4251	**0**	0.4092	1.5732	0.8253	0.7479
3/26/2002	5/7/2002	5/23/2002	2789	42	0.9445	7.7484	4.8618	0.4259	**0**	0.4100	6.3939	3.5073	2.8866
3/26/2002	5/7/2002	5/23/2002	2790	42	0.9414	5.1179	3.2809	0.4253	**0**	0.4094	3.7671	1.9301	1.8370
3/26/2002	5/7/2002	5/23/2002	2791	42	0.9503	2.2438	1.7784	0.4248	**2**	0.4059	0.8876	0.4222	0.4654
3/26/2002	5/7/2002	5/23/2002	2792	42	0.9457	4.9439	3.2779	0.4251	**0**	0.4092	3.5890	1.9230	1.6660
3/26/2002	5/7/2002	5/23/2002	2793	42	0.9491	2.6038	1.8925	0.4245	**0**	0.4086	1.2461	0.5348	0.7113
3/26/2002	5/7/2002	5/23/2002	2794	42	0.9436	2.1865	1.6276	0.4236	**3**	0.4032	0.8397	0.2808	0.5589
3/26/2002	5/7/2002	5/23/2002	2795	42	0.9440	NV	NV	NV	NV		NV	NV	NV
3/26/2002	5/7/2002	5/23/2002	2796	42	0.9436	2.887	2.0847	0.4229	NV	0.4229	NV	NV	NV
5/7/2002	6/12/2002	6/13/2002	2893	36	0.9738	1.4722	1.4169	0.4273	1	0.4098	0.0886	0.0333	0.0553
5/7/2002	6/12/2002	6/13/2002	2894	36	0.9838	1.4932	1.4415	0.4292	3	0.4086	0.1008	0.0491	0.0517
5/7/2002	6/12/2002	6/13/2002	2895	36	0.9829	1.4387	1.4101	0.4254	0	0.4095	0.0463	0.0177	0.0286
5/7/2002	6/12/2002	6/13/2002	2896	36	0.9839	1.5932	1.4807	0.4268	2	0.4078	0.2015	0.0890	0.1125
5/7/2002	6/12/2002	6/13/2002	2897	36	0.9854	1.7815	1.599	0.4274	0	0.4114	0.3847	0.2022	0.1825
5/7/2002	6/12/2002	6/13/2002	2898	36	0.9862	1.6692	1.5333	0.428	0	0.4120	0.2710	0.1351	0.1359
5/7/2002	6/12/2002	6/13/2002	2899	36	0.9868	1.5296	1.4466	0.4284	0	0.4124	0.1304	0.0474	0.0830
5/7/2002	6/12/2002	6/13/2002	2900	36	0.9886	1.5603	1.467	0.4289	0	0.4129	0.1588	0.0655	0.0933
5/7/2002	6/12/2002	6/13/2002	2901	36	0.9859	1.5487	1.4573	0.4299	1	0.4123	0.1505	0.0591	0.0914
5/7/2002	6/12/2002	6/13/2002	2902	36	0.9799	1.5635	1.4523	0.4263	0	0.4104	0.1732	0.0620	0.1112
5/7/2002	6/12/2002	6/13/2002	2903	36	0.9852	1.2284	1.187	0.4239	NV	NV	NV	NV	NV
5/7/2002	6/12/2002	6/13/2002	2904	36	0.9876	1.226	1.1925	0.4264	NV	NV	NV	NV	NV
6/12/2002	7/15/2002	7/31/2002	3073	33	0.9631	1.5639	1.4242	0.4304	0	0.4143	0.1865	0.0468	0.1397
6/12/2002	7/15/2002	7/31/2002	3074	33	0.9653	1.6631	1.4336	0.4262	2	0.4072	0.2906	0.0611	0.2295
6/12/2002	7/15/2002	7/31/2002	3075	33	0.9648	1.5297	1.4324	0.4283	1	0.4108	0.1541	0.0568	0.0973
6/12/2002	7/15/2002	7/31/2002	3076	33	0.9645	1.6737	1.4849	0.4268	3	0.4063	0.3029	0.1141	0.1888
6/12/2002	7/15/2002	7/31/2002	3077	33	0.9649	1.5234	1.4437	0.4278	0	0.4118	0.1467	0.0670	0.0797
6/12/2002	7/15/2002	7/31/2002	3078	33	0.9657	1.5394	1.4419	0.425	0	0.4091	0.1646	0.0671	0.0975
6/12/2002	7/15/2002	7/31/2002	3079	33	0.9621	1.5545	1.4488	0.4283	0	0.4123	0.1801	0.0744	0.1057
6/12/2002	7/15/2002	7/31/2002	3080	33	0.9628	1.5655	1.4309	0.4261	0	0.4102	0.1925	0.0579	0.1346
6/12/2002	7/15/2002	7/31/2002	3081	33	0.9617	1.6607	1.4941	0.4279	0	0.4119	0.2871	0.1205	0.1666
6/12/2002	7/15/2002	7/31/2002	3082	33	0.9618	1.797	1.5046	0.4287	0	0.4127	0.4225	0.1301	0.2924
6/12/2002	7/15/2002	7/31/2002	3083	33	0.9624	2.1046	1.7029	0.428	0	0.4120	0.7302	0.3285	0.4017
6/12/2002	7/15/2002	7/31/2002	3084	33	0.9611	2.1196	1.7233	0.4272	0	0.4112	0.7473	0.3510	0.3963
7/15/2002	8/8/2002	8/13/2002	3181	24	0.9717	1.5298	1.4124	0.4275	1	0.4100	0.1481	0.0307	0.1174
7/15/2002	8/8/2002	8/13/2002	3182	24	0.9748	1.7073	1.4351	0.4246	0	0.4087	0.3238	0.0516	0.2722
7/15/2002	8/8/2002	8/13/2002	3183	24	0.9753	1.4956	1.4143	0.4256	2	0.4067	0.1136	0.0323	0.0813
7/15/2002	8/8/2002	8/13/2002	3184	24	0.9740	1.5723	1.4218	0.4243	0	0.4084	0.1899	0.0394	0.1505
7/15/2002	8/8/2002	8/13/2002	3185	24	0.9736	1.4963	1.4199	0.4269	2	0.4079	0.1148	0.0384	0.0764
7/15/2002	8/8/2002	8/13/2002	3186	24	0.9735	1.5586	1.4384	0.4261	0	0.4102	0.1749	0.0547	0.1202
7/15/2002	8/8/2002	8/13/2002	3187	24	0.9731	1.4319	1.3923	0.4272	1	0.4097	0.0491	0.0095	0.0396
7/15/2002	8/8/2002	8/13/2002	3188	24	0.9742	1.5027	1.4286	0.4303	0	0.4142	0.1143	0.0402	0.0741
7/15/2002	8/8/2002	8/13/2002	3189	24	0.9713	1.5426	1.4277	0.4241	0	0.4082	0.1631	0.0482	0.1149
7/15/2002	8/8/2002	8/13/2002	3190	24	0.9740	1.6365	1.4755	0.4271	1	0.4096	0.2529	0.0919	0.1610
7/15/2002	8/8/2002	8/13/2002	3191	24	0.9736	1.4899	1.3978	0.4253	9	0.3958	0.1205	0.0284	0.0921
7/15/2002	8/8/2002	8/13/2002	3192	24	0.9751	1.5144	1.4077	0.427	20	0.3808	0.1585	0.0518	0.1067

Table B2: Sediment trap data

Site 404													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/22/2001	3/9/2001	3/21/2001	313	15	31.9162	32.2647	32.2638	0.383	0	0.3687	-0.0202	-0.0211	0.0009
2/22/2001	3/9/2001	3/21/2001	314	15	30.4871	30.8374	30.8362	0.3857	0	0.3713	-0.0210	-0.0222	0.0012
2/22/2001	3/9/2001	3/21/2001	315	15	32.0338	32.3994	32.3947	0.3915	0	0.3769	-0.0113	-0.0160	0.0047
2/22/2001	3/9/2001	3/21/2001	316	15	30.1810	30.5645	30.5448	0.3889	0	0.3744	0.0091	-0.0106	0.0197
2/22/2001	3/9/2001	3/21/2001	317	15	31.8327	32.2477	32.2203	0.3819	0	0.3676	0.0474	0.0200	0.0274
2/22/2001	3/9/2001	3/21/2001	318	15	31.4535	31.8662	31.8375	0.385	0	0.3706	0.0421	0.0134	0.0287
3/9/2001	**3/22/2001**	**4/4/2001**	**541**	**18**	**0.9999**	**1.4478**	**1.4198**	**0.3943**	**6**	**0.3705**	**0.0785**	**0.0521**	**0.0264**
3/9/2001	**3/22/2001**	**4/4/2001**	**542**	**18**	**0.9979**	**1.4519**	**1.426**	**0.3983**	**8**	**0.3713**	**0.0838**	**0.0595**	**0.0243**
3/9/2001	**3/22/2001**	**4/4/2001**	**543**	**18**	**0.9977**	**1.5992**	**1.4794**	**0.3982**	**20**	**0.3531**	**0.2495**	**0.1313**	**0.1182**
3/9/2001	**3/22/2001**	**4/4/2001**	**544**	**18**	**0.9999**	**1.6352**	**1.4817**	**0.3957**	**6.5**	**0.3711**	**0.2653**	**0.1134**	**0.1519**
3/9/2001	**3/22/2001**	**4/4/2001**	**545**	**18**	**0.9986**	**1.5082**	**1.4721**	**0.3955**	**0**	**0.3807**	**0.1300**	**0.0955**	**0.0345**
3/9/2001	**3/22/2001**	**4/4/2001**	**546**	**18**	**1.0006**	**1.5299**	**1.4888**	**0.394**	**3**	**0.3747**	**0.1557**	**0.1162**	**0.0395**
3/22/2001	4/27/2001	5/22/2001	649	36	1.0188	1.4615	1.3941	0.3885	12	0.3558	0.0880	0.0222	0.0658
3/22/2001	4/27/2001	5/22/2001	650	36	1.0151	1.4438	1.3816	0.3821	8	0.3557	0.0741	0.0135	0.0606
3/22/2001	4/27/2001	5/22/2001	651	36	1.0164	1.5202	1.4397	0.3889	3	0.3698	0.1351	0.0562	0.0789
3/22/2001	4/27/2001	5/22/2001	652	36	1.0141	1.5398	1.4402	0.3876	3	0.3686	0.1582	0.0603	0.0980
3/22/2001	4/27/2001	5/22/2001	653	36	1.0173	1.6357	1.4617	0.3877	0.5	0.3724	0.2471	0.0747	0.1724
3/22/2001	4/27/2001	5/22/2001	654	36	1.0187	1.6274	1.4715	0.3867	2	0.3692	0.2406	0.0863	0.1543
4/27/2001	5/29/2001	6/20/2001	883	32	0.9883	1.3846	1.3481	0.3954	9	0.3670	0.0304	-0.0045	0.0349
4/27/2001	5/29/2001	6/20/2001	884	32	0.9865	1.4194	1.3555	0.3898	1	0.3737	0.0603	-0.0020	0.0623
4/27/2001	5/29/2001	6/20/2001	885	32	0.9845	1.8608	1.4741	0.3897	22	0.3419	0.5355	0.1504	0.3851
4/27/2001	5/29/2001	6/20/2001	886	32	0.9805	1.6866	1.3963	0.3913	35	0.3237	0.3834	0.0947	0.2887
4/27/2001	5/29/2001	6/20/2001	887	32	0.9827	1.5761	1.395	0.3907	2	0.3731	0.2214	0.0419	0.1795
4/27/2001	5/29/2001	6/20/2001	888	32	0.9850	1.9932	1.5059	0.3912	0	0.3766	0.6327	0.1470	0.4857
5/29/2001	6/26/2001	7/12/2001	955	28	0.9679	1.3654	1.3276	0.3904	8	0.3637	0.0349	-0.0014	0.0362
5/29/2001	6/26/2001	7/12/2001	956	28	0.9639	1.3641	1.3193	0.3905	16	0.3517	0.0496	0.0063	0.0432
5/29/2001	6/26/2001	7/12/2001	957	28	0.9675	1.4019	1.3471	0.3916	0	0.3770	0.0585	0.0053	0.0532
5/29/2001	6/26/2001	7/12/2001	958	28	0.9691	1.6358	1.4651	0.3919	6	0.3682	0.2996	0.1304	0.1691
5/29/2001	6/26/2001	7/12/2001	959	28	0.9720	1.5169	1.4054	0.3927	3	0.3735	0.1725	0.0625	0.1099
5/29/2001	6/26/2001	7/12/2001	960	28	0.9694	1.4365	1.3549	0.3969	6	0.3730	0.0952	0.0151	0.0800
6/26/2001	7/27/2001	8/9/2001	1231	31	0.9796	1.3668	1.3548	0.3882	0	0.3737	0.0146	0.0042	0.0104
6/26/2001	7/27/2001	8/9/2001	1232	31	0.9750	1.364	1.3508	0.3873	1	0.3713	0.0188	0.0071	0.0116
6/26/2001	7/27/2001	8/9/2001	1233	31	0.9711	1.3932	1.361	0.3875	1	0.3715	0.0517	0.0210	0.0306
6/26/2001	7/27/2001	8/9/2001	1234	31	0.9718	1.4074	1.364	0.3944	1	0.3781	0.0585	0.0167	0.0418
6/26/2001	7/27/2001	8/9/2001	1235	31	0.9713	1.4057	1.3672	0.3953	3	0.3760	0.0595	0.0225	0.0369
6/26/2001	7/27/2001	8/9/2001	1236	31	0.9708	1.4585	1.3765	0.3978	3	0.3784	0.1104	0.0299	0.0804
7/27/2001	9/8/2001	9/17/2001	1384	43	0.9876	1.5931	1.421	0.4129	0	0.3975	0.2091	0.0386	0.1705
7/27/2001	9/8/2001	9/17/2001	1385	43	0.9848	1.6821	1.4305	0.4153	1.5	0.3975	0.3009	0.0509	0.2500
7/27/2001	9/8/2001	9/17/2001	1386	43	0.9907	1.5728	1.4152	0.415	0	0.3995	0.1837	0.0277	0.1560
7/27/2001	9/8/2001	9/17/2001	1387	43	0.9840	1.5566	1.4073	0.4144	0	0.3989	0.1748	0.0271	0.1477
7/27/2001	9/8/2001	9/17/2001	1390	43	0.9878	1.5173	1.3971	0.4154	0	0.3999	0.1307	0.0121	0.1186
7/27/2001	9/8/2001	9/17/2001	1391	43	0.9840	1.6096	1.421	0.413	3	0.3930	0.2337	0.0466	0.1870
9/8/2001	10/9/2001	1/7/2001	1585	31	0.9821	1.4962	1.4049	0.4172	0	0.4016	0.1136	0.0239	0.0897
9/8/2001	10/9/2001	1/7/2001	1586	31	0.9806	1.5141	1.4122	0.4191	1	0.4019	0.1327	0.0323	0.1003
9/8/2001	10/9/2001	1/7/2001	1587	31	0.9805	1.5776	1.4421	0.4212	0	0.4054	0.1927	0.0588	0.1339
9/8/2001	10/9/2001	1/7/2001	1588	31	0.9821	1.6564	1.4544	0.4223	0	0.4065	0.2689	0.0684	0.2004
9/8/2001	10/9/2001	1/7/2001	1589	31	0.9806	1.4601	1.4012	0.4152	1	0.3982	0.0824	0.0251	0.0573
9/8/2001	10/9/2001	1/7/2001	1590	31	0.9783	1.4857	1.3996	0.4162	0	0.4006	0.1078	0.0233	0.0845
10/9/2001	11/2/2001	11/28/2001	1813	24	0.9889	1.4849	1.4319	0.4065	0	0.3913	0.1058	0.0544	0.0514
10/9/2001	11/2/2001	11/28/2001	1814	24	0.9878	1.5062	1.4323	0.4055	1	0.3888	0.1307	0.0583	0.0723
10/9/2001	11/2/2001	11/28/2001	1815	24	0.9862	1.5026	1.411	0.4059	2	0.3877	0.1298	0.0398	0.0900
10/9/2001	11/2/2001	11/28/2001	1816	24	0.9866	1.6096	1.4502	0.4091	3	0.3893	0.2348	0.0770	0.1578
10/9/2001	11/2/2001	11/28/2001	1817	24	0.9840	1.6457	1.4903	0.403	0	0.3879	0.2748	0.1210	0.1538

Table B2: Sediment trap data

Site 404													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/9/2001	11/2/2001	11/28/2001	1818	24	0.9770	1.5905	1.4477	0.4035	2	0.3854	0.2292	0.0880	0.1412
1/23/2002	**2/4/2002**	**4/1/2002**	**2131**	**12**	**0.9766**	**1.5311**	**1.3925**	**0.4004**	**4**	**0.3794**	**0.1751**	**0.0365**	**0.1386**
1/23/2002	**2/4/2002**	**4/1/2002**	**2132**	**12**	**0.9784**	**1.4**	**1.3821**	**0.4052**	**1**	**0.3885**	**0.0331**	**0.0152**	**0.0179**
1/23/2002	**2/4/2002**	**4/1/2002**	**2133**	**12**	**0.9822**	**1.4241**	**1.4023**	**0.4034**	**0**	**0.3883**	**0.0536**	**0.0318**	**0.0218**
1/23/2002	**2/4/2002**	**4/1/2002**	**2134**	**12**	**0.9791**	**1.4221**	**1.3945**	**0.4013**	**1**	**0.3848**	**0.0582**	**0.0306**	**0.0276**
1/23/2002	**2/4/2002**	**4/1/2002**	**2135**	**12**	**0.9753**	**1.4121**	**1.3895**	**0.4042**	**1**	**0.3876**	**0.0492**	**0.0266**	**0.0226**
1/23/2002	**2/4/2002**	**4/1/2002**	**2136**	**12**	**0.9755**	**1.5045**	**1.4295**	**0.4012**	**7**	**0.3756**	**0.1534**	**0.0784**	**0.0750**
2/4/2002	**2/19/2002**	**4/2/2002**	**2269**	**15**	**0.9784**	**1.5164**	**1.4166**	**0.4264**	**1**	**0.4089**	**0.1291**	**0.0293**	**0.0998**
2/4/2002	**2/19/2002**	**4/2/2002**	**2270**	**15**	**0.9772**	**1.4732**	**1.4148**	**0.4261**	**0**	**0.4102**	**0.0858**	**0.0274**	**0.0584**
2/4/2002	**2/19/2002**	**4/2/2002**	**2271**	**15**	**0.9791**	**1.5291**	**1.4533**	**0.4217**	**0**	**0.4059**	**0.1441**	**0.0683**	**0.0758**
2/4/2002	**2/19/2002**	**4/2/2002**	**2272**	**15**	**0.9788**	**1.6707**	**1.4723**	**0.4247**	**0**	**0.4088**	**0.2831**	**0.0847**	**0.1984**
2/4/2002	**2/19/2002**	**4/2/2002**	**2273**	**15**	**0.9771**	**1.4334**	**1.4098**	**0.4218**	**0**	**0.4060**	**0.0503**	**0.0267**	**0.0236**
2/4/2002	**2/19/2002**	**4/2/2002**	**2274**	**15**	**0.9784**	**1.6684**	**1.5292**	**0.4219**	**0**	**0.4061**	**0.2839**	**0.1447**	**0.1392**
2/19/2002	3/3/2002	4/11/2002	2431	12	0.9740	1.4022	1.3883	0.4332	0	0.4170	0.0112	-0.0027	0.0139
2/19/2002	3/3/2002	4/11/2002	2432	12	0.9739	1.7049	1.4942	0.4297	1	0.4121	0.3189	0.1082	0.2107
2/19/2002	3/3/2002	4/11/2002	2433	12	0.9746	1.3998	1.3911	0.4298	0	0.4137	0.0115	0.0028	0.0087
2/19/2002	3/3/2002	4/11/2002	2434	12	0.9838	1.4247	1.4077	0.4338	1	0.4161	0.0248	0.0078	0.0170
2/19/2002	3/3/2002	4/11/2002	2435	12	0.9798	1.3943	1.3866	0.432	1	0.4143	0.0002	-0.0075	0.0077
2/19/2002	3/3/2002	4/11/2002	2436	12	0.9837	1.4104	1.4007	0.4297	0	0.4136	0.0131	0.0034	0.0097
3/3/2002	**5/7/2002**	**5/28/2002**	**2557**	**65**	**NV**	**NV**	**NV**	**NV**	**NV**		**NV**	**NV**	**NV**
3/3/2002	**5/7/2002**	**5/28/2002**	**2558**	**65**	**NV**	**NV**	**NV**	**NV**	**NV**		**NV**	**NV**	**NV**
3/3/2002	**5/7/2002**	**5/28/2002**	**2559**	**65**	**0.9510**	**1.9977**	**1.5604**	**0.4262**	**0**	**0.4103**	**0.6364**	**0.1991**	**0.4373**
3/3/2002	**5/7/2002**	**5/28/2002**	**2560**	**65**	**0.9491**	**1.6411**	**1.4371**	**0.4278**	**0**	**0.4118**	**0.2802**	**0.0762**	**0.2040**
3/3/2002	**5/7/2002**	**5/28/2002**	**2561**	**65**	**0.9523**	**1.5391**	**1.4122**	**0.4283**	**0**	**0.4123**	**0.1745**	**0.0476**	**0.1269**
3/3/2002	**5/7/2002**	**5/28/2002**	**2562**	**65**	**0.9536**	**1.6701**	**1.4955**	**0.4282**	**0**	**0.4122**	**0.3043**	**0.1297**	**0.1746**
5/7/2002	6/12/2002	6/13/2002	2869	36	0.9852	1.5725	1.4422	0.4266	11	0.3940	0.1933	0.0630	0.1303
5/7/2002	6/12/2002	6/13/2002	2870	36	0.9890	1.5794	1.4635	0.4268	12	0.3927	0.1977	0.0818	0.1159
5/7/2002	6/12/2002	6/13/2002	2871	36	0.9811	1.5219	1.4303	0.4285	0	0.4125	0.1283	0.0367	0.0916
5/7/2002	6/12/2002	6/13/2002	2872	36	0.9860	1.5498	1.4319	0.429	1	0.4114	0.1524	0.0345	0.1179
5/7/2002	6/12/2002	6/13/2002	2873	36	0.9866	1.5566	1.447	0.4325	0	0.4163	0.1537	0.0441	0.1096
5/7/2002	6/12/2002	6/13/2002	2874	36	0.9804	1.5568	1.4525	0.4281	0	0.4121	0.1643	0.0600	0.1043
6/12/2002	7/15/2002	7/31/2002	3091	33	0.9793	1.6632	1.4528	0.4237	8	0.3958	0.2881	0.0777	0.2104
6/12/2002	7/15/2002	7/31/2002	3092	33	0.9820	1.713	1.4645	0.4222	0	0.4064	0.3246	0.0761	0.2485
6/12/2002	7/15/2002	7/31/2002	3093	33	0.9833	1.525	1.4027	0.4264	0	0.4105	0.1312	0.0089	0.1223
6/12/2002	7/15/2002	7/31/2002	3094	33	0.9850	1.6985	1.4343	0.4221	2	0.4033	0.3102	0.0460	0.2642
6/12/2002	7/15/2002	7/31/2002	3095	33	0.9827	1.4725	1.4172	0.4272	3	0.4067	0.0831	0.0278	0.0553
6/12/2002	7/15/2002	7/31/2002	3096	33	0.9815	1.546	1.45	0.4294	1	0.4118	0.1527	0.0567	0.0960
7/15/2002	8/9/2002	8/13/2002	3199	25	0.9656	1.3691	1.3462	0.4255	0	0.4096	-0.0061	-0.0290	0.0229
7/15/2002	8/9/2002	8/13/2002	3200	25	0.9660	1.4353	1.3753	0.4281	0	0.4121	0.0572	-0.0028	0.0600
7/15/2002	8/9/2002	8/13/2002	3201	25	0.9637	1.4469	1.3782	0.4294	3	0.4088	0.0744	0.0057	0.0687
7/15/2002	8/9/2002	8/13/2002	3202	25	0.9655	1.3997	1.3607	0.4273	0	0.4113	0.0229	-0.0161	0.0390
7/15/2002	8/9/2002	8/13/2002	3203	25	0.9656	1.4201	1.3839	0.427	1	0.4095	0.0450	0.0088	0.0362
7/15/2002	8/9/2002	8/13/2002	3204	25	0.9629	1.5822	1.4467	0.4266	2	0.4076	0.2117	0.0762	0.1355

Table B2: Sediment trap data

Site 406													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/2/2001	2/22/2001	3/8/2001	181	20	31.4170	31.8984	31.8539	0.3891	0	0.3745	0.1069	0.0624	0.0445
2/2/2001	2/22/2001	3/8/2001	182	20	32.9072	33.4985	33.379	0.3964	0	0.3816	0.2097	0.0902	0.1195
2/2/2001	2/22/2001	3/8/2001	183	20	30.0055	30.4642	30.4496	0.3875	0	0.3730	0.0857	0.0711	0.0146
2/2/2001	2/22/2001	3/8/2001	184	20	30.5231	30.9959	30.9834	0.3888	0	0.3743	0.0985	0.0860	0.0125
2/2/2001	2/22/2001	3/8/2001	185	20	31.1798	32.227	31.6861	0.3867	0	0.3722	0.6750	0.1341	0.5409
2/2/2001	2/22/2001	3/8/2001	186	20	30.3037	31.1865	30.8226	0.3926	0	0.3779	0.5049	0.1410	0.3639
2/2/2001	2/22/2001	3/8/2001	187	20	30.4477	31.1119	30.9105	0.3946	0	0.3798	0.2844	0.0830	0.2014
2/2/2001	2/22/2001	3/8/2001	188	20	31.3036	31.9539	31.766	0.3961	0	0.3813	0.2690	0.0811	0.1879
2/2/2001	2/22/2001	3/8/2001	189	20	31.3916	31.8041	31.7909	0.3856	0	0.3712	0.0413	0.0281	0.0132
2/2/2001	2/22/2001	3/8/2001	190	20	30.8060	31.2125	31.2051	0.3945	0	0.3797	0.0268	0.0194	0.0074
2/2/2001	2/22/2001	3/8/2001	191	20	31.6805	32.1325	32.0846	0.386	0	0.3716	0.0804	0.0325	0.0479
2/2/2001	2/22/2001	3/8/2001	192	20	30.1077	30.5374	30.5077	0.388	0	0.3735	0.0562	0.0265	0.0297
2/22/2001	3/9/2001	3/14/2001	301	15	28.8872	29.2741	29.2652	0.3941	0	0.3794	0.0075	-0.0014	0.0089
2/22/2001	3/9/2001	3/14/2001	302	15	30.7523	31.1396	31.1306	0.3946	0	0.3798	0.0075	-0.0015	0.0090
2/22/2001	3/9/2001	3/14/2001	303	15	31.3904	31.7822	31.7678	0.3982	0	0.3833	0.0085	-0.0059	0.0144
2/22/2001	3/9/2001	3/14/2001	304	15	30.3111	30.6906	30.6831	0.3982	0	0.3833	-0.0038	-0.0113	0.0075
2/22/2001	3/9/2001	3/14/2001	305	15	33.4549	33.9431	33.8483	0.395	0	0.3802	0.1080	0.0132	0.0948
2/22/2001	3/9/2001	3/14/2001	306	15	32.0831	32.5152	32.4716	0.3944	0	0.3796	0.0525	0.0089	0.0436
2/22/2001	3/9/2001	3/14/2001	307	15	30.9899	31.3914	31.3747	0.3947	0	0.3799	0.0216	0.0049	0.0167
2/22/2001	3/9/2001	3/14/2001	308	15	31.3982	31.7904	31.7826	0.3928	0	0.3781	0.0141	0.0063	0.0078
2/22/2001	3/9/2001	3/14/2001	309	15	31.9738	32.3779	32.3577	0.3913	0	0.3767	0.0274	0.0072	0.0202
2/22/2001	3/9/2001	3/14/2001	310	15	31.1806	31.5923	31.5683	0.3961	0	0.3813	0.0304	0.0064	0.0240
2/22/2001	3/9/2001	3/14/2001	311	15	30.0062	30.4033	30.3919	0.3939	0	0.3792	0.0179	0.0065	0.0114
2/22/2001	3/9/2001	3/14/2001	312	15	30.5235	30.9146	30.9023	0.3875	0	0.3730	0.0181	0.0058	0.0123
3/9/2001	**3/22/2001**	**5/8/2001**	**529**	**13**	**1.0130**	**1.4282**	**1.4036**	**0.3922**	**0.5**	**0.3768**	**0.0395**	**0.0166**	**0.0230**
3/9/2001	**3/22/2001**	**5/8/2001**	**530**	**13**	**1.0236**	**1.4424**	**1.4123**	**0.3929**	**2**	**0.3752**	**0.0447**	**0.0163**	**0.0284**
3/9/2001	**3/22/2001**	**5/8/2001**	**531**	**13**	**1.0200**	**1.4857**	**1.4344**	**0.3949**	**0**	**0.3801**	**0.0867**	**0.0370**	**0.0497**
3/9/2001	**3/22/2001**	**5/8/2001**	**532**	**13**	**1.0207**	**1.4585**	**1.4234**	**0.3922**	**0**	**0.3775**	**0.0614**	**0.0279**	**0.0335**
3/9/2001	**3/22/2001**	**5/8/2001**	**533**	**13**	**1.0137**	**1.6178**	**1.4348**	**0.3904**	**1**	**0.3743**	**0.2309**	**0.0496**	**0.1814**
3/9/2001	**3/22/2001**	**5/8/2001**	**534**	**13**	**1.0174**	**1.6261**	**1.436**	**0.3911**	**1**	**0.3750**	**0.2348**	**0.0464**	**0.1885**
3/9/2001	**3/22/2001**	**5/8/2001**	**535**	**13**	**1.0177**	**1.7274**	**1.4565**	**0.3976**	**0**	**0.3827**	**0.3281**	**0.0588**	**0.2693**
3/9/2001	**3/22/2001**	**5/8/2001**	**536**	**13**	**1.0188**	**1.7231**	**1.4566**	**0.3942**	**0**	**0.3795**	**0.3260**	**0.0611**	**0.2649**
3/9/2001	**3/22/2001**	**5/8/2001**	**537**	**13**	**1.0198**	**1.4244**	**1.4119**	**0.3922**	**0**	**0.3775**	**0.0282**	**0.0173**	**0.0109**
3/9/2001	**3/22/2001**	**5/8/2001**	**538**	**13**	**1.0230**	**1.4297**	**1.4162**	**0.3938**	**1**	**0.3776**	**0.0303**	**0.0184**	**0.0118**
3/9/2001	**3/22/2001**	**5/8/2001**	**539**	**13**	**1.0182**	**1.4278**	**1.4116**	**0.3938**	**0.5**	**0.3783**	**0.0324**	**0.0178**	**0.0146**
3/9/2001	**3/22/2001**	**5/8/2001**	**540**	**13**	**1.0133**	**1.4246**	**1.4098**	**0.3944**	**0**	**0.3796**	**0.0328**	**0.0196**	**0.0132**
3/22/2001	4/26/2001	5/22/2001	637	35	1.0119	1.5432	1.4097	0.378	1	0.3624	0.1701	0.0382	0.1319
3/22/2001	4/26/2001	5/22/2001	638	35	1.0140	1.6054	1.4502	0.3804	1	0.3647	0.2278	0.0743	0.1536
3/22/2001	4/26/2001	5/22/2001	639	35	1.0191	1.4665	1.4245	0.3969	1	0.3805	0.0680	0.0276	0.0404
3/22/2001	4/26/2001	5/22/2001	640	35	1.0184	1.4902	1.4214	0.3919	3	0.3727	0.1002	0.0330	0.0672
3/22/2001	4/26/2001	5/22/2001	641	35	1.0195	1.6093	1.3998	0.3896	1	0.3735	0.2174	0.0095	0.2079
3/22/2001	4/26/2001	5/22/2001	642	35	1.0165	1.4091	1.3921	0.3844	2	0.3670	0.0267	0.0113	0.0154
3/22/2001	4/26/2001	5/22/2001	643	35	1.0152	1.406	1.393	0.3892	0	0.3746	0.0173	0.0059	0.0114
3/22/2001	4/26/2001	5/22/2001	644	35	1.0157	1.4161	1.4002	0.3957	0	0.3809	0.0206	0.0063	0.0143
3/22/2001	4/26/2001	5/22/2001	645	35	1.0171	1.5465	1.4297	0.3922	2	0.3745	0.1560	0.0408	0.1152
3/22/2001	4/26/2001	5/22/2001	646	35	1.0186	1.4465	1.4085	0.3944	3	0.3751	0.0539	0.0175	0.0364
3/22/2001	4/26/2001	5/22/2001	647	35	1.0111	1.4251	1.3925	0.3879	2	0.3704	0.0447	0.0138	0.0310
3/22/2001	4/26/2001	5/22/2001	648	35	1.0152	1.4036	1.3777	0.3836	10	0.3541	0.0354	0.0111	0.0243
4/26/2001	5/29/2001	6/20/2001	853	33	0.9836	1.914	1.6376	0.3932	1	0.3770	0.5545	0.2797	0.2748
4/26/2001	5/29/2001	6/20/2001	854	33	0.9811	1.9858	1.6695	0.3859	0	0.3715	0.6343	0.3196	0.3147
4/26/2001	5/29/2001	6/20/2001	855	33	0.9822	1.8458	1.6131	0.3843	0	0.3699	0.4947	0.2636	0.2311
4/26/2001	5/29/2001	6/20/2001	856	33	0.9780	1.8206	1.5907	0.3874	1	0.3714	0.4723	0.2439	0.2283
4/26/2001	5/29/2001	6/20/2001	857	33	0.9748	1.7082	1.5649	0.3891	0	0.3745	0.3599	0.2182	0.1417
4/26/2001	5/29/2001	6/20/2001	858	33	0.9747	1.5989	1.489	0.3876	1	0.3716	0.2537	0.1453	0.1083
4/26/2001	5/29/2001	6/20/2001	859	33	0.9719	1.6152	1.4861	0.3879	0	0.3734	0.2710	0.1434	0.1275

Table B2: Sediment trap data

Site 406													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/26/2001	5/29/2001	6/20/2001	860	33	0.9744	1.6074	1.4967	0.3895	0	0.3749	0.2591	0.1500	0.1091
4/26/2001	5/29/2001	6/20/2001	861	33	0.9761	1.6713	1.3931	0.3898	0	0.3752	0.3210	0.0444	0.2766
4/26/2001	5/29/2001	6/20/2001	862	33	0.9692	1.647	1.3912	0.3908	0	0.3762	0.3027	0.0484	0.2542
4/26/2001	5/29/2001	6/20/2001	863	33	0.9750	1.607	1.4274	0.3913	0	0.3767	0.2564	0.0784	0.1780
4/26/2001	5/29/2001	6/20/2001	864	33	0.9703	1.5873	1.4077	0.3896	0	0.3750	0.2430	0.0650	0.1780
5/29/2001	6/26/2001	7/12/2001	1069	28	0.9716	1.572	1.4564	0.3826	2	0.3653	0.2362	0.1222	0.1140
5/29/2001	6/26/2001	7/12/2001	1070	28	0.9705	1.7202	1.5171	0.3851	2	0.3677	0.3831	0.1815	0.2015
5/29/2001	6/26/2001	7/12/2001	1071	28	0.9697	1.6327	1.5161	0.3862	2	0.3687	0.2953	0.1803	0.1150
5/29/2001	6/26/2001	7/12/2001	1072	28	0.9676	1.5995	1.4875	0.3883	0	0.3738	0.2592	0.1487	0.1104
5/29/2001	6/26/2001	7/12/2001	1073	28	0.9710	1.5032	1.4089	0.3888	0	0.3743	0.1590	0.0663	0.0927
5/29/2001	6/26/2001	7/12/2001	1074	28	0.9745	1.5061	1.4203	0.3895	4	0.3689	0.1638	0.0795	0.0842
5/29/2001	6/26/2001	7/12/2001	1075	28	0.9713	1.522	1.4509	0.3952	1	0.3789	0.1728	0.1033	0.0695
5/29/2001	6/26/2001	7/12/2001	1076	28	0.9721	1.5397	1.4462	0.3904	0	0.3758	0.1929	0.1009	0.0919
5/29/2001	6/26/2001	7/12/2001	1077	28	0.9700	1.766	1.4884	0.3908	0	0.3762	0.4209	0.1448	0.2760
5/29/2001	6/26/2001	7/12/2001	1078	28	0.9742	1.6324	1.4556	0.392	1	0.3758	0.2834	0.1082	0.1752
5/29/2001	6/26/2001	7/12/2001	1079	28	0.9730	1.599	1.4426	0.3946	1	0.3783	0.2487	0.0939	0.1548
5/29/2001	6/26/2001	7/12/2001	1080	28	0.9759	1.6081	1.4481	0.3958	2	0.3780	0.2553	0.0969	0.1584
6/26/2001	7/27/2001	8/3/2001	1249	31	0.9800	1.4117	1.3746	0.3938	0	0.3791	0.0537	0.0182	0.0355
6/26/2001	7/27/2001	8/3/2001	1250	31	0.9838	1.4251	1.3842	0.3953	0	0.3805	0.0619	0.0225	0.0393
6/26/2001	7/27/2001	8/3/2001	1251	31	0.9804	1.3959	1.3697	0.3979	1	0.3815	0.0351	0.0104	0.0246
6/26/2001	7/27/2001	8/3/2001	1252	31	0.9793	1.3936	1.3707	0.3986	0	0.3837	0.0317	0.0104	0.0213
6/26/2001	7/27/2001	8/3/2001	1253	31	0.9764	1.3708	1.3484	0.3859	0	0.3715	0.0240	0.0032	0.0208
6/26/2001	7/27/2001	8/3/2001	1254	31	0.9812	1.3844	1.3577	0.3887	0	0.3742	0.0301	0.0050	0.0251
6/26/2001	7/27/2001	8/3/2001	1255	31	0.9774	1.3878	1.3606	0.3909	0	0.3763	0.0352	0.0096	0.0256
6/26/2001	7/27/2001	8/3/2001	1256	31	0.9858	1.3875	1.3622	0.3864	1	0.3704	0.0323	0.0086	0.0237
6/26/2001	7/27/2001	8/3/2001	1257	31	0.9820	1.7699	1.4377	0.3904	1	0.3743	0.4147	0.0841	0.3306
6/26/2001	7/27/2001	8/3/2001	1258	31	0.9788	1.6826	1.4169	0.3925	1	0.3763	0.3286	0.0644	0.2641
6/26/2001	7/27/2001	8/3/2001	1259	31	0.9796	1.4548	1.3765	0.3949	0	0.3801	0.0961	0.0194	0.0767
6/26/2001	7/27/2001	8/3/2001	1260	31	0.9821	1.4506	1.3794	0.394	0	0.3793	0.0903	0.0207	0.0696
7/27/2001	9/8/2001	10/17/2001	1369	43	0.9762	1.7932	1.5105	0.4116	0	0.3962	0.4219	0.1407	0.2811
7/27/2001	9/8/2001	10/17/2001	1370	43	0.9740	1.6046	1.4466	0.4162	0	0.4006	0.2310	0.0746	0.1564
7/27/2001	9/8/2001	10/17/2001	1371	43	0.9678	1.6217	1.4516	0.4122	0	0.3968	0.2582	0.0896	0.1685
7/27/2001	9/8/2001	10/17/2001	1372	43	0.9687	1.5799	1.4327	0.4123	0	0.3969	0.2154	0.0697	0.1456
7/27/2001	9/8/2001	10/17/2001	1373	43	0.9755	1.7752	1.4851	0.4135	0	0.3980	0.4027	0.1142	0.2885
7/27/2001	9/8/2001	10/17/2001	1374	43	0.9695	1.6794	1.4612	0.4161	0	0.4005	0.3104	0.0938	0.2166
7/27/2001	9/8/2001	10/17/2001	1375	43	0.9680	1.6325	1.4373	0.4163	0	0.4007	0.2648	0.0712	0.1936
7/27/2001	9/8/2001	10/17/2001	1376	43	0.9683	1.5791	1.4298	0.4173	0	0.4017	0.2102	0.0624	0.1477
7/27/2001	9/8/2001	10/17/2001	1377	43	0.9706	1.7662	1.4894	0.4154	0	0.3999	0.3968	0.1216	0.2752
7/27/2001	9/8/2001	10/17/2001	1378	43	0.9727	2.1495	1.5553	0.4175	5.85	0.3930	0.7848	0.1922	0.5926
7/27/2001	9/8/2001	10/17/2001	1379	43	0.9724	1.7166	1.4722	0.4177	0	0.4021	0.3432	0.1003	0.2428
7/27/2001	9/8/2001	10/17/2001	1380	43	0.9704	1.6959	1.4534	0.4174	0	0.4018	0.3248	0.0838	0.2409
9/8/2001	10/9/2001	11/5/2001	1597	31	0.9714	1.5754	1.4399	0.4237	0	0.4079	0.1972	0.0633	0.1339
9/8/2001	10/9/2001	11/5/2001	1598	31	0.9715	1.5777	1.4374	0.4225	0	0.4067	0.2006	0.0618	0.1387
9/8/2001	10/9/2001	11/5/2001	1599	31	0.9734	1.496	1.4029	0.38	0	0.3658	0.1579	0.0663	0.0915
9/8/2001	10/9/2001	11/5/2001	1600	31	0.9690	1.4817	1.3847	0.3648	0	0.3512	0.1626	0.0672	0.0954
9/8/2001	10/9/2001	11/5/2001	1601	31	0.9695	1.6931	1.4463	0.3637	0	0.3501	0.3746	0.1293	0.2452
9/8/2001	10/9/2001	11/5/2001	1602	31	0.9692	1.565	1.4143	0.3853	0	0.3709	0.2260	0.0768	0.1491
9/8/2001	10/9/2001	11/5/2001	1603	31	0.9717	1.569	1.4159	0.3814	0	0.3671	0.2312	0.0797	0.1515
9/8/2001	10/9/2001	11/5/2001	1604	31	0.9731	1.8235	1.5166	0.3847	0	0.3703	0.4811	0.1758	0.3053
9/8/2001	10/9/2001	11/5/2001	1605	31	0.9759	1.4052	1.3632	0.3837	1	0.3678	0.0625	0.0221	0.0404
9/8/2001	10/9/2001	11/5/2001	1606	31	0.9788	1.3968	1.353	0.3699	0	0.3561	0.0630	0.0208	0.0422
9/8/2001	10/9/2001	11/5/2001	1607	31	0.9755	1.4761	1.3833	0.3798	0	0.3656	0.1361	0.0448	0.0912
9/8/2001	10/9/2001	11/5/2001	1608	31	0.9740	1.4997	1.3936	0.3746	0	0.3606	0.1662	0.0616	0.1045
10/9/2001	11/2/2001	1/14/2002	1789	23	0.9580	1.5636	1.4406	0.4024	0	0.3874	0.2193	0.0978	0.1215
10/9/2001	11/2/2001	1/14/2002	1790	23	0.9548	1.5894	1.4299	0.403	0	0.3879	0.2477	0.0898	0.1580

Table B2: Sediment trap data

Site 406													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/9/2001	11/2/2001	1/14/2002	1791	23	0.9622	1.507	1.4304	0.4046	0	0.3895	0.1564	0.0813	0.0750
10/9/2001	11/2/2001	1/14/2002	1792	23	0.9633	1.4881	1.4157	0.4065	0	0.3913	0.1346	0.0637	0.0708
10/9/2001	11/2/2001	1/14/2002	1793	23	0.9545	1.504	1.4051	0.3997	0	0.3848	0.1658	0.0684	0.0974
10/9/2001	11/2/2001	1/14/2002	1794	23	0.9581	1.5607	1.4134	0.3954	0	0.3806	0.2230	0.0773	0.1458
10/9/2001	11/2/2001	1/14/2002	1795	23	0.9547	1.5101	1.3943	0.3968	0	0.3820	0.1745	0.0602	0.1143
10/9/2001	11/2/2001	1/14/2002	1796	23	0.9614	1.5482	1.4104	0.3975	0	0.3826	0.2052	0.0690	0.1362
10/9/2001	11/2/2001	1/14/2002	1797	23	0.9547	1.4868	1.3897	0.3969	0	0.3821	0.1511	0.0555	0.0956
10/9/2001	11/2/2001	1/14/2002	1798	23	0.9634	1.4732	1.3955	0.4018	0	0.3868	0.1241	0.0479	0.0761
10/9/2001	11/2/2001	1/14/2002	1799	23	0.9547	1.458	1.3861	0.3977	0	0.3828	0.1215	0.0512	0.0704
10/9/2001	11/2/2001	1/14/2002	1800	23	0.9612	1.6496	1.448	0.3978	1	0.3814	0.3080	0.1080	0.2000
1/23/2002	2/5/2002	3/12/2002	2185	13	0.9650	1.4	1.3761	0.4036	0	0.3885	0.0465	0.0226	0.0239
1/23/2002	2/5/2002	3/12/2002	2186	13	0.9580	1.3903	1.3682	0.4036	0	0.3885	0.0438	0.0217	0.0221
1/23/2002	2/5/2002	3/12/2002	2187	13	0.9655	1.4082	1.3664	0.4017	0	0.3867	0.0560	0.0142	0.0418
1/23/2002	2/5/2002	3/12/2002	2188	13	0.9616	1.3909	1.3662	0.4025	0	0.3874	0.0419	0.0172	0.0247
1/23/2002	2/5/2002	3/12/2002	2189	13	0.9619	1.4176	1.3715	0.3983	0	0.3834	0.0723	0.0262	0.0461
1/23/2002	2/5/2002	3/12/2002	2190	13	0.9624	1.4128	1.3728	0.3947	0	0.3799	0.0705	0.0305	0.0400
1/23/2002	2/5/2002	3/12/2002	2191	13	0.9600	1.511	1.3674	0.3951	0	0.3803	0.1707	0.0271	0.1436
1/23/2002	2/5/2002	3/12/2002	2192	13	0.9636	1.515	1.403	0.3959	0	0.3811	0.1703	0.0583	0.1120
1/23/2002	2/5/2002	3/12/2002	2193	13	0.9617	1.4088	1.3777	0.4139	0	0.3984	0.0487	0.0176	0.0311
1/23/2002	2/5/2002	3/12/2002	2194	13	0.9596	1.4104	1.3807	0.4164	0	0.4008	0.0500	0.0203	0.0297
1/23/2002	2/5/2002	3/12/2002	2195	13	0.9632	1.4039	1.3735	0.4078	0	0.3925	0.0482	0.0178	0.0304
1/23/2002	2/5/2002	3/12/2002	2196	13	0.9598	1.3991	1.373	0.4091	0	0.3938	0.0455	0.0194	0.0261
2/5/2002	2/19/2002	3/21/2002	2341	14	0.9650	1.4496	1.3996	0.4249	0	0.4090	0.0756	0.0256	0.0500
2/5/2002	2/19/2002	3/21/2002	2342	14	0.9701	1.5344	1.4327	0.4254	0	0.4095	0.1548	0.0531	0.1017
2/5/2002	2/19/2002	3/21/2002	2343	14	0.9695	1.4379	1.4026	0.4248	1	0.4074	0.0610	0.0257	0.0353
2/5/2002	2/19/2002	3/21/2002	2344	14	0.9726	1.4175	1.3996	0.4255	1	0.4081	0.0368	0.0189	0.0179
2/5/2002	2/19/2002	3/21/2002	2345	14	0.9709	1.4662	1.4158	0.4259	0	0.4100	0.0853	0.0349	0.0504
2/5/2002	2/19/2002	3/21/2002	2346	14	0.9707	1.6238	1.4488	0.425	0	0.4091	0.2440	0.0690	0.1750
2/5/2002	2/19/2002	3/21/2002	2347	14	0.9755	1.438	1.4089	0.4255	0	0.4096	0.0529	0.0238	0.0291
2/5/2002	2/19/2002	3/21/2002	2348	14	0.9678	1.5054	1.4201	0.4249	0	0.4090	0.1286	0.0433	0.0853
2/5/2002	2/19/2002	3/21/2002	2349	14	0.9729	1.4093	1.397	0.4263	0	0.4104	0.0260	0.0137	0.0123
2/5/2002	2/19/2002	3/21/2002	2350	14	0.9716	1.437	1.4064	0.4268	0	0.4108	0.0546	0.0240	0.0306
2/5/2002	2/19/2002	3/21/2002	2351	14	0.9711	1.4289	1.4025	0.4261	0	0.4102	0.0476	0.0212	0.0264
2/5/2002	2/19/2002	3/21/2002	2352	14	0.9664	1.4063	1.3907	0.4242	5	0.4008	0.0391	0.0235	0.0156
2/19/2002	3/4/2002	4/11/2002	2485	13	0.9763	1.4213	1.4009	0.427	0	0.4110	0.0340	0.0136	0.0204
2/19/2002	3/4/2002	4/11/2002	2486	13	0.9762	1.4613	1.4154	0.4295	1	0.4119	0.0732	0.0273	0.0459
2/19/2002	3/4/2002	4/11/2002	2487	13	0.9737	1.4142	1.3994	0.4286	0	0.4126	0.0279	0.0131	0.0148
2/19/2002	3/4/2002	4/11/2002	2488	13	0.9741	1.4218	1.3997	0.4265	0	0.4105	0.0372	0.0151	0.0221
2/19/2002	3/4/2002	4/11/2002	2489	13	0.9813	1.4575	1.4191	0.4295	0	0.4134	0.0628	0.0244	0.0384
2/19/2002	3/4/2002	4/11/2002	2490	13	0.9756	1.4182	1.4038	0.4294	0	0.4133	0.0293	0.0149	0.0144
2/19/2002	3/4/2002	4/11/2002	2491	13	0.9806	1.4307	1.4106	0.4289	0	0.4129	0.0372	0.0171	0.0201
2/19/2002	3/4/2002	4/11/2002	2492	13	0.9782	1.4371	1.4061	0.4266	0	0.4106	0.0483	0.0173	0.0310
2/19/2002	3/4/2002	4/11/2002	2493	13	0.9827	1.4276	1.41	0.4279	0	0.4119	0.0330	0.0154	0.0176
2/19/2002	3/4/2002	4/11/2002	2494	13	0.9801	1.4398	1.4032	0.4293	2	0.4102	0.0495	0.0129	0.0366
2/19/2002	3/4/2002	4/11/2002	2495	13	0.9798	1.4284	1.4101	0.4318	2	0.4126	0.0360	0.0177	0.0183
2/19/2002	3/4/2002	4/11/2002	2496	13	0.9790	1.4115	1.3929	0.4329	14	0.3955	0.0370	0.0184	0.0186
3/4/2002	3/25/2002	4/18/2002	2581	21	0.9817	1.52	1.4325	0.4255	0	0.4096	0.1287	0.0412	0.0875
3/4/2002	3/25/2002	4/18/2002	2582	21	0.9808	1.4896	1.4239	0.4269	0	0.4109	0.0979	0.0322	0.0657
3/4/2002	3/25/2002	4/18/2002	2583	21	0.9910	1.5966	1.4617	0.4294	0	0.4133	0.1923	0.0574	0.1349
3/4/2002	3/25/2002	4/18/2002	2584	21	0.9915	1.647	1.4805	0.4275	5	0.4040	0.2515	0.0850	0.1665
3/4/2002	3/25/2002	4/18/2002	2585	21	0.9884	1.5419	1.4429	0.4268	0	0.4108	0.1427	0.0437	0.0990
3/4/2002	3/25/2002	4/18/2002	2586	21	0.9864	1.5014	1.4321	0.4271	0	0.4111	0.1039	0.0346	0.0693
3/4/2002	3/25/2002	4/18/2002	2587	21	0.9827	1.5312	1.45	0.4282	0	0.4122	0.1363	0.0551	0.0812
3/4/2002	3/25/2002	4/18/2002	2588	21	0.9878	1.537	1.4563	0.4266	0	0.4106	0.1386	0.0579	0.0807
3/4/2002	3/25/2002	4/18/2002	2589	21	0.9838	1.477	1.4223	0.4279	0	0.4119	0.0813	0.0266	0.0547

Table B2: Sediment trap data

Site 406													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/4/2002	**3/25/2002**	**4/18/2002**	**2590**	**21**	**0.9895**	**1.3991**	**1.3701**	**0.4268**	**20**	**0.3806**	**0.0290**	**0.0000**	**0.0290**
3/4/2002	**3/25/2002**	**4/18/2002**	**2591**	**21**	**0.9909**	**1.4722**	**1.4304**	**0.4265**	**0**	**0.4105**	**0.0708**	**0.0290**	**0.0418**
3/4/2002	**3/25/2002**	**4/18/2002**	**2592**	**21**	**0.9835**	**1.4588**	**1.4169**	**0.4263**	**0**	**0.4104**	**0.0649**	**0.0230**	**0.0419**
3/25/2002	5/7/2002	5/21/2002	2713	43	0.9335	1.5732	1.4627	0.4254	0	0.4095	0.2302	0.1197	0.1105
3/25/2002	5/7/2002	5/21/2002	2714	43	0.9350	1.5607	1.4446	0.4278	0	0.4118	0.2139	0.0978	0.1161
3/25/2002	5/7/2002	5/21/2002	2715	43	0.9387	1.541	1.4338	0.4265	0	0.4105	0.1918	0.0846	0.1072
3/25/2002	5/7/2002	5/21/2002	2716	43	0.9405	1.4923	1.4032	0.4267	0	0.4107	0.1411	0.0520	0.0891
3/25/2002	5/7/2002	5/21/2002	2717	43	0.9393	1.6617	1.5597	0.4273	0	0.4113	0.3111	0.2091	0.1020
3/25/2002	5/7/2002	5/21/2002	2718	43	0.9382	1.6445	1.5212	0.4318	0	0.4157	0.2906	0.1673	0.1233
3/25/2002	5/7/2002	5/21/2002	2719	43	0.9359	1.7443	1.5997	0.4276	0	0.4116	0.3968	0.2522	0.1446
3/25/2002	5/7/2002	5/21/2002	2720	43	0.9306	1.8308	1.6664	0.429	0	0.4130	0.4872	0.3228	0.1644
3/25/2002	5/7/2002	5/21/2002	2721	43	0.9303	1.5897	1.3858	0.4308	17	0.3890	0.2704	0.0665	0.2039
3/25/2002	5/7/2002	5/21/2002	2722	43	0.9343	1.595	1.381	0.4256	35	0.3568	0.3039	0.0899	0.2140
3/25/2002	5/7/2002	5/21/2002	2723	43	0.9704	1.7247	1.456	0.4272	2	0.4082	0.3461	0.0774	0.2687
3/25/2002	5/7/2002	5/21/2002	2724	43	0.9710	1.6376	1.4728	0.4314	0	0.4153	0.2513	0.0865	0.1648
5/7/2002	6/11/2002	6/13/2002	2857	35	0.9827	1.4332	1.4096	0.4253	1	0.4079	0.0426	0.0190	0.0236
5/7/2002	6/11/2002	6/13/2002	2858	35	0.9784	1.4292	1.408	0.425	0	0.4091	0.0417	0.0205	0.0212
5/7/2002	6/11/2002	6/13/2002	2859	35	0.9822	1.421	1.4028	0.4238	2	0.4049	0.0339	0.0157	0.0182
5/7/2002	6/11/2002	6/13/2002	2860	35	0.9819	1.4184	1.4075	0.427	1	0.4095	0.0270	0.0161	0.0109
5/7/2002	6/11/2002	6/13/2002	2861	35	0.9802	1.4707	1.4125	0.4244	4	0.4025	0.0880	0.0298	0.0582
5/7/2002	6/11/2002	6/13/2002	2862	35	0.9823	1.453	1.4152	0.4258	0	0.4099	0.0608	0.0230	0.0378
5/7/2002	6/11/2002	6/13/2002	2863	35	0.9785	1.4677	1.415	0.4239	1	0.4065	0.0827	0.0300	0.0527
5/7/2002	6/11/2002	6/13/2002	2864	35	0.9815	1.4625	1.4113	0.4243	0	0.4084	0.0726	0.0214	0.0512
5/7/2002	6/11/2002	6/13/2002	2865	35	0.9786	1.4307	1.4052	0.4273	1	0.4098	0.0423	0.0168	0.0255
5/7/2002	6/11/2002	6/13/2002	2866	35	0.9798	1.4444	1.4117	0.4273	0	0.4113	0.0533	0.0206	0.0327
5/7/2002	6/11/2002	6/13/2002	2867	35	0.9787	1.4642	1.4212	0.4241	0	0.4082	0.0773	0.0343	0.0430
5/7/2002	6/11/2002	6/13/2002	2868	35	0.9798	1.459	1.4166	0.4257	0	0.4098	0.0694	0.0270	0.0424
6/11/2002	7/15/2002	7/24/2002	3037	34	0.9673	1.6234	1.4615	0.4327	0	0.4165	0.2396	0.0777	0.1619
6/11/2002	7/15/2002	7/24/2002	3038	34	0.9615	1.5916	1.4648	0.4312	0	0.4151	0.2150	0.0882	0.1268
6/11/2002	7/15/2002	7/24/2002	3039	34	0.9621	1.6778	1.508	0.4346	0	0.4183	0.2974	0.1276	0.1698
6/11/2002	7/15/2002	7/24/2002	3040	34	0.9654	1.6169	1.4746	0.434	0	0.4178	0.2337	0.0914	0.1423
6/11/2002	7/15/2002	7/24/2002	3041	34	0.9633	1.6173	1.4893	0.4335	0	0.4173	0.2367	0.1087	0.1280
6/11/2002	7/15/2002	7/24/2002	3042	34	0.9653	1.554	1.4546	0.4291	0	0.4131	0.1756	0.0762	0.0994
6/11/2002	7/15/2002	7/24/2002	3043	34	0.9674	1.8452	1.5491	0.4293	0	0.4132	0.4646	0.1685	0.2961
6/11/2002	7/15/2002	7/24/2002	3044	34	0.9685	1.7194	1.5054	0.4317	1	0.4140	0.3369	0.1229	0.2140
6/11/2002	7/15/2002	7/24/2002	3045	34	0.9644	1.5048	1.4291	0.4342	0	0.4180	0.1224	0.0467	0.0757
6/11/2002	7/15/2002	7/24/2002	3046	34	0.9648	1.516	1.4269	0.433	0	0.4168	0.1344	0.0453	0.0891
6/11/2002	7/15/2002	7/24/2002	3047	34	0.9649	1.5515	1.431	0.4304	0	0.4143	0.1723	0.0518	0.1205
6/11/2002	7/15/2002	7/24/2002	3048	34	0.9657	1.5168	1.4204	0.4318	0	0.4157	0.1354	0.0390	0.0964
7/15/2002	8/8/2002	8/13/2002	3157	24	0.9811	1.5008	1.4333	0.4294	0	0.4133	0.1064	0.0389	0.0675
7/15/2002	8/8/2002	8/13/2002	3158	24	0.9805	1.4875	1.4377	0.4289	0	0.4129	0.0941	0.0443	0.0498
7/15/2002	8/8/2002	8/13/2002	3159	24	0.9788	1.6363	1.4846	0.4267	1	0.4092	0.2483	0.0966	0.1517
7/15/2002	8/8/2002	8/13/2002	3160	24	0.9750	1.5643	1.4571	0.4265	2	0.4075	0.1818	0.0746	0.1072
7/15/2002	8/8/2002	8/13/2002	3161	24	0.9754	1.5445	1.4307	0.426	0	0.4101	0.1590	0.0452	0.1138
7/15/2002	8/8/2002	8/13/2002	3162	24	0.9755	1.6356	1.4716	0.4273	0	0.4113	0.2488	0.0848	0.1640
7/15/2002	8/8/2002	8/13/2002	3163	24	0.9742	1.8687	1.5263	0.4279	0	0.4119	0.4826	0.1402	0.3424
7/15/2002	8/8/2002	8/13/2002	3164	24	0.9732	1.7945	1.4951	0.4272	0	0.4112	0.4101	0.1107	0.2994
7/15/2002	8/8/2002	8/13/2002	3165	24	0.9733	1.4338	1.3941	0.4251	0	0.4092	0.0513	0.0116	0.0397
7/15/2002	8/8/2002	8/13/2002	3166	24	0.9726	1.4482	1.402	0.4258	1	0.4084	0.0672	0.0210	0.0462
7/15/2002	8/8/2002	8/13/2002	3167	24	0.9716	1.4916	1.4048	0.4271	0	0.4111	0.1089	0.0221	0.0868
7/15/2002	8/8/2002	8/13/2002	3168	24	0.9706	1.5014	1.4031	0.4274	0	0.4114	0.1194	0.0211	0.0983

Table B2: Sediment trap data

Site 407													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/26/2001	2/23/2001	3/5/2001	115	28	32.1261	32.5484	32.5284	0.3996	0	0.3847	0.0376	0.0176	0.0200
1/26/2001	2/23/2001	3/5/2001	116	28	31.7488	32.1534	32.1384	0.4002	0	0.3852	0.0194	0.0044	0.0150
1/26/2001	2/23/2001	3/5/2001	117	28	30.3039	30.7149	30.686	0.3917	0	0.3771	0.0339	0.0050	0.0289
1/26/2001	2/23/2001	3/5/2001	118	28	29.8743	30.3152	30.2521	0.3845	0	0.3701	0.0708	0.0077	0.0631
1/26/2001	2/23/2001	3/5/2001	119	28	30.7735	31.1351	31.1328	0.3931	0	0.3784	-0.0168	-0.0191	0.0023
1/26/2001	2/23/2001	3/5/2001	120	28	30.4864	30.8560	30.8522	0.3872	0	0.3727	-0.0031	-0.0069	0.0038
2/23/2001	3/8/2001	3/21/2001	319	14	29.8971	30.2757	30.271	0.3917	0	0.3771	0.0015	-0.0032	0.0047
2/23/2001	3/8/2001	3/21/2001	320	14	31.3921	31.7903	31.7701	0.4015	0	0.3865	0.0117	-0.0085	0.0202
2/23/2001	3/8/2001	3/21/2001	321	14	29.7667	30.2429	30.1686	0.3968	0	0.3820	0.0942	0.0199	0.0743
2/23/2001	3/8/2001	3/21/2001	322	14	30.9080	31.2848	31.2782	0.4013	0	0.3863	-0.0095	-0.0161	0.0066
2/23/2001	3/8/2001	3/21/2001	323	14	30.1806	30.6380	30.5849	0.3955	0	0.3807	0.0767	0.0236	0.0531
2/23/2001	3/8/2001	3/21/2001	324	14	30.7862	31.1609	31.1577	0.3903	0	0.3757	-0.0010	-0.0042	0.0032
3/8/2001	**3/23/2001**	**4/4/2001**	**403**	**15**	**0.9994**	**1.4386**	**1.4061**	**0.3811**	**2**	**0.3638**	**0.0765**	**0.0456**	**0.0309**
3/8/2001	**3/23/2001**	**4/4/2001**	**404**	**15**	**0.9976**	**1.4157**	**1.3887**	**0.3712**	**2**	**0.3543**	**0.0649**	**0.0395**	**0.0254**
3/8/2001	**3/23/2001**	**4/4/2001**	**405**	**15**	**0.9985**	**1.5516**	**1.405**	**0.3827**	**0.5**	**0.3676**	**0.1866**	**0.0416**	**0.1450**
3/8/2001	**3/23/2001**	**4/4/2001**	**406**	**15**	**1.0009**	**1.5690**	**1.4026**	**0.3806**	**0**	**0.3664**	**0.2028**	**0.0380**	**0.1648**
3/8/2001	**3/23/2001**	**4/4/2001**	**407**	**15**	**0.9983**	**1.3967**	**1.3801**	**0.3811**	**0.5**	**0.3661**	**0.0334**	**0.0184**	**0.0150**
3/8/2001	**3/23/2001**	**4/4/2001**	**408**	**15**	**0.9998**	**1.3807**	**1.3628**	**0.3677**	**4**	**0.3479**	**0.0341**	**0.0178**	**0.0163**
3/23/2001	4/26/2001	5/22/2001	655	34	1.0177	1.4839	1.4282	0.3902	0	0.3756	0.0917	0.0376	0.0541
3/23/2001	4/26/2001	5/22/2001	656	34	1.0147	1.4417	1.4072	0.3891	0	0.3745	0.0536	0.0207	0.0329
3/23/2001	4/26/2001	5/22/2001	657	34	1.0183	1.4820	1.415	0.3857	0	0.3713	0.0935	0.0282	0.0654
3/23/2001	4/26/2001	5/22/2001	658	34	1.0217	1.4973	1.4246	0.393	0	0.3783	0.0984	0.0274	0.0711
3/23/2001	4/26/2001	5/22/2001	659	34	1.0195	1.4100	1.393	0.3858	0	0.3714	0.0202	0.0049	0.0154
3/23/2001	4/26/2001	5/22/2001	660	34	1.0182	1.4144	1.3912	0.3867	1	0.3707	0.0266	0.0050	0.0216
4/26/2001	5/28/2001	6/20/2001	877	32	0.9853	1.5559	1.4	0.3935	0	0.3788	0.1929	0.0386	0.1543
4/26/2001	5/28/2001	6/20/2001	878	32	0.9908	1.4673	1.3967	0.3918	0	0.3771	0.1004	0.0314	0.0690
4/26/2001	5/28/2001	6/20/2001	879	32	0.9840	1.5650	1.4344	0.3895	0	0.3749	0.2071	0.0781	0.1290
4/26/2001	5/28/2001	6/20/2001	880	32	0.9870	1.5360	1.4232	0.3932	0	0.3785	0.1716	0.0604	0.1112
4/26/2001	5/28/2001	6/20/2001	881	32	0.9826	1.4197	1.3713	0.3925	0	0.3778	0.0603	0.0135	0.0468
4/26/2001	5/28/2001	6/20/2001	882	32	0.9874	1.4262	1.3766	0.3931	0	0.3784	0.0615	0.0135	0.0480
5/28/2001	6/25/2001	7/11/2001	727	28	0.9800	1.4098	1.3853	0.4342	5	0.4104	0.0205	-0.0025	0.0229
5/28/2001	6/25/2001	7/11/2001	728	28	0.9773	1.3981	1.3722	0.4311	2	0.4120	0.0099	-0.0144	0.0243
5/28/2001	6/25/2001	7/11/2001	729	28	0.9797	1.4831	1.4153	0.4238	0	0.4080	0.0965	0.0303	0.0662
5/28/2001	6/25/2001	7/11/2001	730	28	0.9821	1.4574	1.402	0.414	0	0.3985	0.0779	0.0240	0.0538
5/28/2001	6/25/2001	7/11/2001	731	28	0.9773	1.3765	1.3523	0.4079	1	0.3911	0.0091	-0.0135	0.0226
5/28/2001	6/25/2001	7/11/2001	732	28	0.9781	1.4053	1.3811	0.4349	2	0.4156	0.0127	-0.0100	0.0226
6/25/2001	8/1/2001	9/20/2001	1111	37	0.9838	1.4317	1.3348	0.3883	2	0.3708	0.0782	-0.0171	0.0953
6/25/2001	8/1/2001	9/20/2001	1112	37	0.9817	1.3530	1.3082	0.3888	22	0.3410	0.0314	-0.0118	0.0432
6/25/2001	8/1/2001	9/20/2001	1113	37	0.9815	1.8353	1.4461	0.3876	0	0.3731	0.4818	0.0941	0.3876
6/25/2001	8/1/2001	9/20/2001	1114	37	0.9843	1.6311	1.4267	0.4048	0	0.3897	0.2582	0.0554	0.2028
6/25/2001	8/1/2001	9/20/2001	1115	37	0.9808	1.3283	1.3092	0.4064	20	0.3610	-0.0124	-0.0299	0.0175
6/25/2001	8/1/2001	9/20/2001	1116	37	0.9773	1.3940	1.3605	0.4103	3	0.3904	0.0273	-0.0046	0.0319
8/1/2001	9/7/2001	12/5/2001	1441	37	0.9812	1.4421	1.3782	0.3976	1	0.3812	0.0807	0.0184	0.0623
8/1/2001	9/7/2001	12/5/2001	1442	37	0.9818	1.4128	1.3682	0.398	1	0.3816	0.0505	0.0074	0.0430
8/1/2001	9/7/2001	12/5/2001	1443	37	0.9813	1.6539	1.4607	0.3993	1	0.3829	0.2908	0.0992	0.1916
8/1/2001	9/7/2001	12/5/2001	1444	37	0.9788	2.0944	1.61	0.3992	2	0.3812	0.7354	0.2526	0.4828
8/1/2001	9/7/2001	12/5/2001	1445	37	0.9779	1.4015	1.3698	0.4009	0	0.3859	0.0388	0.0086	0.0301
8/1/2001	9/7/2001	12/5/2001	1446	37	0.9820	1.4376	1.3864	0.4028	0	0.3877	0.0689	0.0193	0.0496
9/7/2001	10/8/2001	1/7/2001	1549	31	0.9811	1.6497	1.5304	0.4232	0	0.4074	0.2623	0.1446	0.1177
9/7/2001	10/8/2001	1/7/2001	1550	31	0.9855	1.5994	1.4996	0.4189	0	0.4032	0.2117	0.1135	0.0982
9/7/2001	10/8/2001	1/7/2001	1551	31	0.9837	1.6091	1.4641	0.4166	0	0.4010	0.2255	0.0820	0.1434
9/7/2001	10/8/2001	1/7/2001	1552	31	0.9800	1.5850	1.4553	0.4157	0	0.4002	0.2059	0.0778	0.1281
9/7/2001	10/8/2001	1/7/2001	1553	31	0.9864	1.6830	1.5092	0.422	0	0.4062	0.2915	0.1192	0.1722
9/7/2001	10/8/2001	1/7/2001	1554	31	0.9791	1.7052	1.5257	0.4222	0	0.4064	0.3208	0.1428	0.1779
10/8/2001	11/1/2001	1/9/2001	1771	24	0.9814	1.5976	1.4664	0.4001	0	0.3851	0.2321	0.1025	0.1296
10/8/2001	11/1/2001	1/9/2001	1772	24	0.9800	1.5264	1.4234	0.3913	0	0.3767	0.1708	0.0694	0.1014

Table B2: Sediment trap data

Site 407													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/9/2001	1773	24	0.9543	1.5034	1.389	0.3969	0	0.3821	0.1681	0.0552	0.1129
10/8/2001	11/1/2001	1/9/2001	1774	24	0.9540	1.6558	1.4391	0.396	0	0.3812	0.3216	0.1065	0.2152
10/8/2001	11/1/2001	1/9/2001	1775	24	0.9581	1.4235	1.3668	0.3977	0	0.3828	0.0836	0.0285	0.0552
10/8/2001	11/1/2001	1/9/2001	1776	24	0.9502	1.4685	1.3856	0.4034	0	0.3883	0.1310	0.0497	0.0814
1/22/2002	**2/5/2002**	**4/2/2002**	**2125**	**14**	**0.9793**	**1.3907**	**1.3662**	**0.3859**	**0**	**0.3715**	**0.0399**	**0.0154**	**0.0245**
1/22/2002	**2/5/2002**	**4/2/2002**	**2126**	**14**	**0.9783**	**1.4339**	**1.3724**	**0.3857**	**0**	**0.3713**	**0.0843**	**0.0228**	**0.0615**
1/22/2002	**2/5/2002**	**4/2/2002**	**2127**	**14**	**0.9813**	**1.4149**	**1.3722**	**0.3877**	**0**	**0.3732**	**0.0604**	**0.0177**	**0.0427**
1/22/2002	**2/5/2002**	**4/2/2002**	**2128**	**14**	**0.9787**	**1.4774**	**1.3922**	**0.4042**	**0**	**0.3891**	**0.1096**	**0.0244**	**0.0852**
1/22/2002	**2/5/2002**	**4/2/2002**	**2129**	**14**	**0.9770**	**1.3804**	**1.372**	**0.4061**	**0**	**0.3909**	**0.0125**	**0.0041**	**0.0084**
1/22/2002	**2/5/2002**	**4/2/2002**	**2130**	**14**	**0.9795**	**1.3809**	**1.3732**	**0.404**	**0**	**0.3889**	**0.0125**	**0.0048**	**0.0077**
2/5/2002	**2/18/2002**	**4/3/2002**	**2275**	**13**	**0.9759**	**1.4207**	**1.4008**	**0.4246**	**0**	**0.4087**	**0.0361**	**0.0162**	**0.0199**
2/5/2002	**2/18/2002**	**4/3/2002**	**2276**	**13**	**0.9748**	**1.5411**	**1.4439**	**0.424**	**0**	**0.4081**	**0.1582**	**0.0610**	**0.0972**
2/5/2002	**2/18/2002**	**4/3/2002**	**2277**	**13**	**0.9765**	**1.4188**	**1.3993**	**0.4241**	**0**	**0.4082**	**0.0341**	**0.0146**	**0.0195**
2/5/2002	**2/18/2002**	**4/3/2002**	**2278**	**13**	**0.9773**	**1.44**	**1.4056**	**0.4231**	**0**	**0.4073**	**0.0554**	**0.0210**	**0.0344**
2/5/2002	**2/18/2002**	**4/3/2002**	**2279**	**13**	**0.9754**	**1.4472**	**1.4092**	**0.4243**	**0**	**0.4084**	**0.0634**	**0.0254**	**0.0380**
2/5/2002	**2/18/2002**	**4/3/2002**	**2280**	**13**	**0.9755**	**1.4499**	**1.4091**	**0.4231**	**0**	**0.4073**	**0.0671**	**0.0263**	**0.0408**
2/18/2002	3/3/2002	4/11/2002	2425	13	0.9882	1.4307	1.4172	0.4302	0	0.4141	0.0284	0.0149	0.0135
2/18/2002	3/3/2002	4/11/2002	2426	13	0.9827	1.4177	1.4086	0.4308	0	0.4147	0.0203	0.0112	0.0091
2/18/2002	3/3/2002	4/11/2002	2427	13	0.9861	1.4298	1.4126	0.4313	0	0.4152	0.0285	0.0113	0.0172
2/18/2002	3/3/2002	4/11/2002	2428	13	0.9850	1.4368	1.4205	0.4303	0	0.4142	0.0376	0.0213	0.0163
2/18/2002	3/3/2002	4/11/2002	2429	13	0.9889	1.412	1.4058	0.4301	0	0.4140	0.0091	0.0029	0.0062
2/18/2002	3/3/2002	4/11/2002	2430	13	0.9761	1.4042	1.3983	0.4301	0	0.4140	0.0141	0.0082	0.0059
3/3/2002	**3/25/2002**	**4/17/2002**	**2503**	**22**	**0.9839**	**1.5111**	**1.4333**	**0.4307**	**3**	**0.4101**	**0.1171**	**0.0393**	**0.0778**
3/3/2002	**3/25/2002**	**4/17/2002**	**2504**	**22**	**0.9854**	**1.5051**	**1.4382**	**0.4269**	**0**	**0.4109**	**0.1088**	**0.0419**	**0.0669**
3/3/2002	**3/25/2002**	**4/17/2002**	**2505**	**22**	**0.9868**	**1.518**	**1.4352**	**0.4276**	**0**	**0.4116**	**0.1196**	**0.0368**	**0.0828**
3/3/2002	**3/25/2002**	**4/17/2002**	**2506**	**22**	**0.9861**	**1.6571**	**1.4799**	**0.4312**	**0**	**0.4151**	**0.2559**	**0.0787**	**0.1772**
3/3/2002	**3/25/2002**	**4/17/2002**	**2507**	**22**	**0.9867**	**1.4418**	**1.4126**	**0.4254**	**0**	**0.4095**	**0.0456**	**0.0164**	**0.0292**
3/3/2002	**3/25/2002**	**4/17/2002**	**2508**	**22**	**0.9803**	**1.4211**	**1.4023**	**0.4281**	**10**	**0.3970**	**0.0438**	**0.0250**	**0.0188**
3/25/2002	5/8/2002	5/23/2002	2749	44	0.9495	1.6221	1.4396	0.4284	0	0.4124	0.2602	0.0777	0.1825
3/25/2002	5/8/2002	5/23/2002	2750	44	0.9498	1.5636	1.4368	0.4297	1	0.4121	0.2017	0.0749	0.1268
3/25/2002	5/8/2002	5/23/2002	2751	44	0.9444	2.0677	1.5907	0.432	0	0.4158	0.7075	0.2305	0.4770
3/25/2002	5/8/2002	5/23/2002	2752	44	0.9463	1.7979	1.4711	0.4281	0	0.4121	0.4395	0.1127	0.3268
3/25/2002	5/8/2002	5/23/2002	2753	44	0.9451	1.4207	1.3724	0.4268	1	0.4093	0.0663	0.0180	0.0483
3/25/2002	5/8/2002	5/23/2002	2754	44	0.9491	1.4497	1.3711	0.4258	0	0.4099	0.0907	0.0121	0.0786
5/8/2002	6/12/2002	6/13/2002	2875	35	0.9865	1.5764	1.435	0.4283	1	0.4108	0.1791	0.0377	0.1414
5/8/2002	6/12/2002	6/13/2002	2876	35	0.9886	1.5433	1.4412	0.4282	0	0.4122	0.1425	0.0404	0.1021
5/8/2002	6/12/2002	6/13/2002	2877	35	0.9858	1.5848	1.4507	0.4248	0	0.4089	0.1901	0.0560	0.1341
5/8/2002	6/12/2002	6/13/2002	2878	35	0.9828	1.5762	1.4455	0.4305	0	0.4144	0.1790	0.0483	0.1307
5/8/2002	6/12/2002	6/13/2002	2879	35	0.9798	1.4814	1.4115	0.4299	1	0.4123	0.0893	0.0194	0.0699
5/8/2002	6/12/2002	6/13/2002	2880	35	0.9781	1.6169	1.4397	0.4269	0	0.4109	0.2279	0.0507	0.1772
6/12/2002	7/16/2002	7/24/2002	2947	34	0.9660	2.4066	1.8642	0.4268	0	0.4108	1.0298	0.4874	0.5424
6/12/2002	7/16/2002	7/24/2002	2948	34	0.9663	2.4608	1.8899	0.4264	2	0.4074	1.0871	0.5162	0.5709
6/12/2002	7/16/2002	7/24/2002	2949	34	0.9726	1.9851	1.5464	0.4249	0	0.4090	0.6035	0.1648	0.4387
6/12/2002	7/16/2002	7/24/2002	2950	34	0.9752	1.9627	1.5374	0.4303	0	0.4142	0.5733	0.1480	0.4253
6/12/2002	7/16/2002	7/24/2002	2951	34	0.9693	1.8589	1.4901	0.4342	1	0.4164	0.4732	0.1044	0.3688
6/12/2002	7/16/2002	7/24/2002	2952	34	0.9689	1.7115	1.4582	0.4334	0	0.4172	0.3254	0.0721	0.2533
7/16/2002	8/9/2002	8/16/2002	3242	24	0.9775	1.4812	1.4037	0.4247	0	0.4088	0.0949	0.0174	0.0775
7/16/2002	8/9/2002	8/16/2002	3243	24	0.9769	1.6084	1.419	0.4238	0	0.4080	0.2235	0.0341	0.1894
7/16/2002	8/9/2002	8/16/2002	3244	24	0.9775	1.6465	1.4615	0.425	0	0.4091	0.2599	0.0749	0.1850
7/16/2002	8/9/2002	8/16/2002	3245	24	0.9767	1.6099	1.4514	0.4253	0	0.4094	0.2238	0.0653	0.1585
7/16/2002	8/9/2002	8/16/2002	3246	24	0.9786	1.4535	1.401	0.4262	0	0.4103	0.0646	0.0121	0.0525
7/16/2002	8/9/2002	8/16/2002	3247	24	0.9801	1.4715	1.4025	0.4266	0	0.4106	0.0808	0.0118	0.0690

Table B2: Sediment trap data

Site 408													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/9/2001	2/20/2001	2/28/2001	229	11	31.5295	31.9235	31.9161	0.4018	0	0.3868	0.0072	-0.0002	0.0074
2/9/2001	2/20/2001	2/28/2001	230	11	29.7819	30.1792	30.1649	0.4077	0	0.3925	0.0048	-0.0095	0.0143
2/9/2001	2/20/2001	2/28/2001	231	11	28.9673	29.3345	29.3301	0.4029	0	0.3878	-0.0206	-0.0250	0.0044
2/9/2001	2/20/2001	2/28/2001	232	11	31.4126	31.7783	31.782	0.3975	0	0.3826	-0.0169	-0.0132	-0.0037
2/9/2001	2/20/2001	2/28/2001	233	11	30.1778	30.5757	30.5739	0.4009	0	0.3859	0.0120	0.0102	0.0018
2/9/2001	2/20/2001	2/28/2001	234	11	31.4549	31.8728	31.857	0.4136	0	0.3981	0.0198	0.0040	0.0158
2/9/2001	2/20/2001	2/28/2001	235	11	29.7186	30.1037	30.0988	0.4074	0	0.3922	-0.0071	-0.0120	0.0049
2/9/2001	2/20/2001	2/28/2001	236	11	30.6708	31.1065	31.0703	0.4068	0	0.3916	0.0441	0.0079	0.0362
2/9/2001	2/20/2001	2/28/2001	237	11	31.4099	31.8066	31.7992	0.4036	0	0.3885	0.0082	0.0008	0.0074
2/9/2001	2/20/2001	2/28/2001	238	11	31.1374	31.5508	31.5403	0.406	0	0.3908	0.0226	0.0121	0.0105
2/9/2001	2/20/2001	2/28/2001	239	11	31.3912	31.8041	31.7966	0.4106	0	0.3952	0.0177	0.0102	0.0075
2/9/2001	2/20/2001	2/28/2001	240	11	33.3797	33.7847	33.7818	0.4062	0	0.3910	0.0140	0.0111	0.0029
2/20/2001	3/2/2001	3/12/2001	289	10	30.4863	30.8547	30.8381	0.3945	0	0.3797	-0.0113	-0.0279	0.0166
2/20/2001	3/2/2001	3/12/2001	290	10	32.0326	32.4036	32.3925	0.4064	0	0.3912	-0.0202	-0.0313	0.0111
2/20/2001	3/2/2001	3/12/2001	291	10	30.1807	30.5623	30.5489	0.403	0	0.3879	-0.0063	-0.0197	0.0134
2/20/2001	3/2/2001	3/12/2001	292	10	30.3103	30.7033	30.6899	0.4064	0	0.3912	0.0018	-0.0116	0.0134
2/20/2001	3/2/2001	3/12/2001	293	10	31.8323	32.2227	32.2154	0.4029	0	0.3878	0.0026	-0.0047	0.0073
2/20/2001	3/2/2001	3/12/2001	294	10	30.1571	30.5381	30.5328	0.4056	0	0.3904	-0.0094	-0.0147	0.0053
2/20/2001	3/2/2001	3/12/2001	295	10	30.5231	30.9068	30.9016	0.4018	0	0.3868	-0.0031	-0.0083	0.0052
2/20/2001	3/2/2001	3/12/2001	296	10	31.9159	32.3017	32.2965	0.4056	0	0.3904	-0.0046	-0.0098	0.0052
2/20/2001	3/2/2001	3/12/2001	297	10	31.9734	32.3624	32.3567	0.4023	0	0.3873	0.0017	-0.0040	0.0057
2/20/2001	3/2/2001	3/12/2001	298	10	30.1081	30.5111	30.4993	0.4042	0	0.3891	0.0139	0.0021	0.0118
2/20/2001	3/2/2001	3/12/2001	299	10	30.7520	31.165	31.1445	0.3987	0	0.3838	0.0292	0.0087	0.0205
2/20/2001	3/2/2001	3/12/2001	300	10	31.3977	31.804	31.7928	0.3966	0	0.3818	0.0245	0.0133	0.0112
3/2/2001	**3/16/2001**	**4/2/2001**	**421**	**14**	**0.9946**	**2.1561**	**1.9023**	**0.3888**	**5**	**0.3667**	**0.7959**	**0.5437**	**0.2522**
3/2/2001	**3/16/2001**	**4/2/2001**	**422**	**14**	**0.9950**	**2.2167**	**1.9156**	**0.39**	**6.5**	**0.3656**	**0.8572**	**0.5577**	**0.2995**
3/2/2001	**3/16/2001**	**4/2/2001**	**423**	**14**	**0.9967**	**2.1364**	**1.9091**	**0.387**	**9**	**0.3589**	**0.7819**	**0.5562**	**0.2257**
3/2/2001	**3/16/2001**	**4/2/2001**	**424**	**14**	**0.9975**	**2.0963**	**1.8824**	**0.3927**	**2.5**	**0.3742**	**0.7257**	**0.5134**	**0.2123**
3/2/2001	**3/16/2001**	**4/2/2001**	**425**	**14**	**0.9975**	**1.3819**	**1.3737**	**0.3745**	**2**	**0.3575**	**0.0280**	**0.0214**	**0.0066**
3/2/2001	**3/16/2001**	**4/2/2001**	**426**	**14**	**0.9991**	**1.3846**	**1.3789**	**0.3784**	**4.5**	**0.3574**	**0.0291**	**0.0251**	**0.0041**
3/2/2001	**3/16/2001**	**4/2/2001**	**427**	**14**	**0.9983**	**1.38**	**1.3734**	**0.3795**	**2.5**	**0.3615**	**0.0213**	**0.0163**	**0.0050**
3/2/2001	**3/16/2001**	**4/2/2001**	**428**	**14**	**0.9961**	**1.3746**	**1.369**	**0.3797**	**4.5**	**0.3587**	**0.0209**	**0.0169**	**0.0040**
3/2/2001	**3/16/2001**	**4/2/2001**	**429**	**14**	**0.9987**	**1.4672**	**1.4357**	**0.3843**	**1**	**0.3684**	**0.1012**	**0.0713**	**0.0299**
3/2/2001	**3/16/2001**	**4/2/2001**	**430**	**14**	**0.9972**	**1.43**	**1.4021**	**0.3734**	**2.5**	**0.3557**	**0.0782**	**0.0519**	**0.0263**
3/2/2001	**3/16/2001**	**4/2/2001**	**431**	**14**	**0.9972**	**1.3853**	**1.3735**	**0.3703**	**0.5**	**0.3557**	**0.0335**	**0.0233**	**0.0102**
3/2/2001	**3/16/2001**	**4/2/2001**	**432**	**14**	**0.9977**	**1.3882**	**1.3777**	**0.3743**	**0**	**0.3603**	**0.0313**	**0.0224**	**0.0089**
3/16/2001	**3/30/2001**	**5/21/2001**	**613**	**14**	**1.0157**	**1.5874**	**1.4716**	**0.3935**	**6**	**0.3697**	**0.2031**	**0.0889**	**0.1142**
3/16/2001	**3/30/2001**	**5/21/2001**	**614**	**14**	**1.0161**	**1.4746**	**1.4361**	**0.3912**	**13**	**0.3569**	**0.1027**	**0.0658**	**0.0369**
3/16/2001	**3/30/2001**	**5/21/2001**	**615**	**14**	**1.0179**	**1.548**	**1.5153**	**0.389**	**2.5**	**0.3707**	**0.1605**	**0.1295**	**0.0311**
3/16/2001	**3/30/2001**	**5/21/2001**	**616**	**14**	**1.0137**	**1.5438**	**1.5114**	**0.3854**	**0**	**0.3710**	**0.1602**	**0.1295**	**0.0308**
3/16/2001	**3/30/2001**	**5/21/2001**	**617**	**14**	**1.0166**	**1.4092**	**1.401**	**0.3888**	**1**	**0.3727**	**0.0210**	**0.0144**	**0.0066**
3/16/2001	**3/30/2001**	**5/21/2001**	**618**	**14**	**1.0128**	**1.4093**	**1.4005**	**0.3867**	**0**	**0.3722**	**0.0254**	**0.0182**	**0.0072**
3/16/2001	**3/30/2001**	**5/21/2001**	**619**	**14**	**1.0154**	**1.4002**	**1.3922**	**0.3845**	**2**	**0.3671**	**0.0188**	**0.0124**	**0.0064**
3/16/2001	**3/30/2001**	**5/21/2001**	**620**	**14**	**1.0164**	**1.3945**	**1.385**	**0.3814**	**2.5**	**0.3634**	**0.0159**	**0.0080**	**0.0079**
3/16/2001	**3/30/2001**	**5/21/2001**	**621**	**14**	**1.0159**	**1.4094**	**1.4005**	**0.3796**	**1**	**0.3639**	**0.0307**	**0.0235**	**0.0073**
3/16/2001	**3/30/2001**	**5/21/2001**	**622**	**14**	**1.0163**	**1.4116**	**1.405**	**0.3897**	**2**	**0.3721**	**0.0243**	**0.0193**	**0.0050**
3/16/2001	**3/30/2001**	**5/21/2001**	**623**	**14**	**1.0162**	**1.4101**	**1.4038**	**0.3895**	**0.5**	**0.3742**	**0.0208**	**0.0162**	**0.0047**
3/16/2001	**3/30/2001**	**5/21/2001**	**624**	**14**	**1.0120**	**1.4028**	**1.3974**	**0.3862**	**1**	**0.3702**	**0.0217**	**0.0179**	**0.0038**
3/30/2001	4/20/2001	5/3/2001	745	21	0.9985	1.4843	1.4601	0.4418		0.4253	0.0616	0.0390	0.0226
3/30/2001	4/20/2001	5/3/2001	746	21	0.9974	1.4471	1.4355	0.4245		0.4086	0.0422	0.0322	0.0100
3/30/2001	4/20/2001	5/3/2001	747	21	0.9995	1.5647	1.5324	0.4451		0.4285	0.1378	0.1071	0.0307
3/30/2001	4/20/2001	5/3/2001	748	21	0.9990	1.5281	1.504	0.4484		0.4316	0.0986	0.0761	0.0225
3/30/2001	4/20/2001	5/3/2001	749	21	0.9979	1.4564	1.4435	0.4454		0.4287	0.0308	0.0196	0.0113
3/30/2001	4/20/2001	5/3/2001	750	21	0.9958	1.4466	1.4375	0.4436		0.4270	0.0249	0.0174	0.0075

Table B2: Sediment trap data

Site 408													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/30/2001	4/20/2001	5/3/2001	751	21	0.9963	1.4503	1.4412	0.4434		0.4268	0.0283	0.0208	0.0075
3/30/2001	4/20/2001	5/3/2001	752	21	0.9981	1.4703	1.4594	0.4552		0.4382	0.0351	0.0258	0.0093
3/30/2001	4/20/2001	5/3/2001	753	21	1.0025	1.4838	1.4694	0.4492		0.4324	0.0500	0.0372	0.0128
3/30/2001	4/20/2001	5/3/2001	754	21	0.9973	1.485	1.4665	0.4493		0.4325	0.0563	0.0394	0.0169
3/30/2001	4/20/2001	5/3/2001	755	21	0.9960	1.4857	1.463	0.4453		0.4286	0.0621	0.0410	0.0211
3/30/2001	4/20/2001	5/3/2001	756	21	1.0035	1.4811	1.4606	0.4393		0.4229	0.0558	0.0369	0.0189
4/20/2001	5/18/2001	6/20/2001	841	28	0.9754	2.5907	2.177	0.3802	0	0.3660	1.2504	0.8383	0.4121
4/20/2001	5/18/2001	6/20/2001	842	28	0.9771	3.4348	2.7244	0.3778	2	0.3606	2.0981	1.3893	0.7088
4/20/2001	5/18/2001	6/20/2001	843	28	0.9773	2.0077	1.7506	0.3773	0	0.3632	0.6683	0.4128	0.2555
4/20/2001	5/18/2001	6/20/2001	844	28	0.9776	1.9085	1.6714	0.3792	0	0.3650	0.5669	0.3314	0.2355
4/20/2001	5/18/2001	6/20/2001	845	28	0.9759	1.5407	1.3902	0.3761	2	0.3590	0.2069	0.0579	0.1489
4/20/2001	5/18/2001	6/20/2001	846	28	0.9762	1.5092	1.4198	0.3986	1	0.3822	0.1519	0.0641	0.0878
4/20/2001	5/18/2001	6/20/2001	847	28	0.9749	1.6457	1.4244	0.3782	0	0.3641	0.3078	0.0881	0.2197
4/20/2001	5/18/2001	6/20/2001	848	28	0.9751	1.6767	1.4628	0.3775	0	0.3634	0.3393	0.1270	0.2123
4/20/2001	5/18/2001	6/20/2001	849	28	0.9790	1.7466	1.4634	0.3876	0	0.3731	0.3956	0.1139	0.2816
4/20/2001	5/18/2001	6/20/2001	850	28	0.9709	1.7173	1.4399	0.388	0	0.3735	0.3740	0.0981	0.2758
4/20/2001	5/18/2001	6/20/2001	851	28	0.9708	1.5602	1.3992	0.3886	1	0.3726	0.2179	0.0585	0.1594
4/20/2001	5/18/2001	6/20/2001	852	28	0.9755	1.5626	1.3973	0.3887	0	0.3742	0.2140	0.0503	0.1637
5/18/2001	6/14/2001	7/2/2001	973	27	0.9968	1.6093	1.4984	0.3996	0	0.3847	0.2289	0.1196	0.1093
5/18/2001	6/14/2001	7/2/2001	974	27	0.9979	1.6014	1.4512	0.3975	2	0.3796	0.2250	0.0764	0.1486
5/18/2001	6/14/2001	7/2/2001	975	27	0.9955	2.0327	1.8449	0.3966	5	0.3742	0.6641	0.4779	0.1862
5/18/2001	6/14/2001	7/2/2001	976	27	0.9989	1.7814	1.6477	0.3984	2	0.3805	0.4031	0.2710	0.1321
5/18/2001	6/14/2001	7/2/2001	977	27	0.9937	1.4064	1.3787	0.397	9	0.3685	0.0452	0.0191	0.0261
5/18/2001	6/14/2001	7/2/2001	978	27	0.9752	1.3898	1.363	0.3961	8	0.3692	0.0465	0.0212	0.0252
5/18/2001	6/14/2001	7/2/2001	979	27	0.9954	1.4147	1.3823	0.3928	2	0.3751	0.0453	0.0145	0.0308
5/18/2001	6/14/2001	7/2/2001	980	27	0.9946	1.4159	1.3843	0.3934	1	0.3772	0.0452	0.0152	0.0300
5/18/2001	6/14/2001	7/2/2001	981	27	0.9932	1.483	1.4167	0.3944	6	0.3706	0.1203	0.0556	0.0647
5/18/2001	6/14/2001	7/2/2001	982	27	0.9963	1.475	1.4232	0.3979	2	0.3800	0.0998	0.0496	0.0502
5/18/2001	6/14/2001	7/2/2001	983	27	0.9990	1.4682	1.3961	0.4	1	0.3835	0.0868	0.0163	0.0705
5/18/2001	6/14/2001	7/2/2001	984	27	1.0017	1.4395	1.3964	0.3963	2	0.3785	0.0604	0.0190	0.0415
6/14/2001	7/11/2001	7/17/2001	1153	27	0.9687	1.431	1.3891	0.4215	2	0.4027	0.0606	0.0203	0.0403
6/14/2001	7/11/2001	7/17/2001	1154	27	0.9711	1.3805	1.3666	0.4135	0	0.3980	0.0124	0.0001	0.0123
6/14/2001	7/11/2001	7/17/2001	1155	27	0.9726	1.3889	1.3743	0.4079	1	0.3911	0.0262	0.0132	0.0130
6/14/2001	7/11/2001	7/17/2001	1156	27	0.9827	1.397	1.3872	0.4108	0	0.3954	0.0199	0.0117	0.0082
6/14/2001	7/11/2001	7/17/2001	1157	27	0.9775	1.3754	1.3663	0.4111	1.5	0.3935	0.0055	-0.0020	0.0075
6/14/2001	7/11/2001	7/17/2001	1158	27	0.9755	1.3654	1.3539	0.4117	2	0.3933	-0.0023	-0.0122	0.0099
6/14/2001	7/11/2001	7/17/2001	1159	27	0.9744	1.3807	1.3608	0.4148	1	0.3978	0.0096	-0.0087	0.0183
6/14/2001	7/11/2001	7/17/2001	1160	27	0.9704	1.3489	1.3416	0.4104	3	0.3905	-0.0110	-0.0167	0.0057
6/14/2001	7/11/2001	7/17/2001	1161	27	0.9719	1.3859	1.3703	0.4133	1	0.3963	0.0187	0.0047	0.0140
6/14/2001	7/11/2001	7/17/2001	1162	27	0.9731	1.4979	1.4436	0.4314	1.5	0.4130	0.1129	0.0601	0.0527
6/14/2001	7/11/2001	7/17/2001	1163	27	0.9722	1.5397	1.4503	0.4322	0	0.4160	0.1525	0.0647	0.0878
6/14/2001	7/11/2001	7/17/2001	1164	27	0.9740	1.4841	1.4299	0.4281	2	0.4091	0.1021	0.0495	0.0526
7/11/2001	8/20/2001	9/20/2001	1285	40	0.9832	1.6097	1.4748	0.3913	1	0.3752	0.2524	0.1191	0.1333
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9855	1.4737	1.4121	0.3949	0	0.3801	0.1091	0.0491	0.0600
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9870	1.7749	1.6191	0.3814	2	0.3641	0.4249	0.2707	0.1542
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9840	2.3977	2.0503	0.3941	2	0.3763	1.0384	0.6926	0.3458
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9795	1.4662	1.3853	0.397	9	0.3685	0.1192	0.0399	0.0793
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9792	1.4509	1.39	0.3955	2	0.3777	0.0951	0.0358	0.0593
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9774	1.5004	1.409	0.3936	1	0.3774	0.1467	0.0569	0.0898
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9729	1.4623	1.3901	0.3945	0	0.3797	0.1107	0.0401	0.0706
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9749	1.6463	1.4796	0.3974	0	0.3825	0.2899	0.1248	0.1651
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9750	1.5598	1.4461	0.398	0	0.3831	0.2027	0.0906	0.1121
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9768	1.4981	1.3992	0.3943	1	0.3780	0.1443	0.0470	0.0973

Table B2: Sediment trap data

Site 408													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
7/11/2001	8/20/2001	9/20/2001	1286	40	0.9770	1.5285	1.4012	0.3972	0	0.3823	0.1702	0.0445	0.1257
8/20/2001	9/14/2001	10/10/2001	1501	25	0.9741	1.4582	1.4175	0.4041	0	0.3890	0.0962	0.0570	0.0391
8/20/2001	9/14/2001	10/10/2001	1502	25	0.9766	1.4718	1.4229	0.4025	0	0.3874	0.1088	0.0615	0.0473
8/20/2001	9/14/2001	10/10/2001	1503	25	0.9763	1.4991	1.437	0.4044	0	0.3893	0.1346	0.0741	0.0605
8/20/2001	9/14/2001	10/10/2001	1504	25	0.9758	1.4238	1.3982	0.4011	0	0.3861	0.0630	0.0389	0.0240
8/20/2001	9/14/2001	10/10/2001	1505	25	0.9738	1.392	1.367	0.4011	0	0.3861	0.0332	0.0097	0.0234
8/20/2001	9/14/2001	10/10/2001	1506	25	0.9748	1.4067	1.3646	0.4001	0	0.3851	0.0478	0.0073	0.0405
8/20/2001	9/14/2001	10/10/2001	1507	25	0.9743	1.3856	1.361	0.3994	0	0.3845	0.0279	0.0049	0.0230
8/20/2001	9/14/2001	10/10/2001	1508	25	0.9760	1.3588	1.336	0.3967	3	0.3773	0.0065	-0.0147	0.0212
8/20/2001	9/14/2001	10/10/2001	1509	25	0.9826	1.3914	1.3666	0.4018	7	0.3762	0.0337	0.0105	0.0232
8/20/2001	9/14/2001	10/10/2001	1510	25	0.9827	1.3995	1.3655	0.3994	3	0.3799	0.0379	0.0055	0.0324
8/20/2001	9/14/2001	10/10/2001	1511	25	0.9826	1.434	1.3919	0.4011	0	0.3861	0.0664	0.0259	0.0405
8/20/2001	9/14/2001	10/10/2001	1512	25	0.9779	1.3991	1.3745	0.397	0	0.3822	0.0401	0.0171	0.0230
9/14/2001	10/19/2001	1/9/2001	1609	35	0.9507	6.2043	5.0446	0.3679	0	0.3541	4.9005	3.7423	1.1582
9/14/2001	10/19/2001	1/9/2001	1610	35	0.9525	7.4972	5.8873	0.3638	0	0.3502	6.1955	4.5872	1.6084
9/14/2001	10/19/2001	1/9/2001	1611	35	0.9632	2.1958	1.8676	0.3647	0	0.3511	0.8826	0.5559	0.3266
9/14/2001	10/19/2001	1/9/2001	1612	35	0.9587	2.2969	1.9556	0.3762	0	0.3621	0.9771	0.6374	0.3398
9/14/2001	10/19/2001	1/9/2001	1613	35	0.9566	1.4032	1.3587	0.3797	0	0.3655	0.0821	0.0392	0.0430
9/14/2001	10/19/2001	1/9/2001	1614	35	0.9553	1.3612	1.3295	0.3696	0	0.3558	0.0512	0.0210	0.0302
9/14/2001	10/19/2001	1/9/2001	1615	35	0.9570	1.383	1.3382	0.364	2	0.3474	0.0797	0.0364	0.0433
9/14/2001	10/19/2001	1/9/2001	1616	35	0.9594	1.3687	1.3363	0.3779	0	0.3638	0.0466	0.0157	0.0309
9/14/2001	10/19/2001	1/9/2001	1617	35	0.9519	1.4664	1.3741	0.3674	0	0.3537	0.1619	0.0711	0.0908
9/14/2001	10/19/2001	1/9/2001	1618	35	0.9528	1.3994	1.3441	0.3739	3	0.3554	0.0923	0.0385	0.0538
9/14/2001	10/19/2001	1/9/2001	1619	35	0.9500	1.8743	1.4938	0.3688	0	0.3550	0.5703	0.1914	0.3790
9/14/2001	10/19/2001	1/9/2001	1620	35	0.9476	2.0825	1.5163	0.3632	0	0.3496	0.7863	0.2216	0.5647
10/19/2001	11/16/2001	1/14/2002	1849	28	0.9550	2.9292	2.5981	0.3865	0	0.3720	1.6032	1.2736	0.3296
10/19/2001	11/16/2001	1/14/2002	1850	28	0.9597	1.9826	1.8406	0.3871	1	0.3711	0.6528	0.5124	0.1405
10/19/2001	11/16/2001	1/14/2002	1851	28	0.9573	1.8933	1.6898	0.3901	0	0.3755	0.5615	0.3596	0.2020
10/19/2001	11/16/2001	1/14/2002	1852	28	0.9582	1.7461	1.6049	0.3905	0	0.3759	0.4130	0.2734	0.1397
10/19/2001	11/16/2001	1/14/2002	1853	28	0.9614	1.3823	1.362	0.3939	0	0.3792	0.0428	0.0240	0.0187
10/19/2001	11/16/2001	1/14/2002	1854	28	0.9570	1.3698	1.3556	0.3971	0	0.3822	0.0316	0.0189	0.0127
10/19/2001	11/16/2001	1/14/2002	1855	28	0.9564	1.3982	1.3584	0.3883	1	0.3723	0.0706	0.0323	0.0383
10/19/2001	11/16/2001	1/14/2002	1856	28	0.9554	1.4147	1.3636	0.3992	0	0.3843	0.0761	0.0265	0.0496
10/19/2001	11/16/2001	1/14/2002	1857	28	0.9553	1.539	1.4377	0.4032	1	0.3866	0.1981	0.0984	0.0998
10/19/2001	11/16/2001	1/14/2002	1858	28	0.9586	1.4303	1.379	0.3933	0	0.3786	0.0942	0.0444	0.0498
10/19/2001	11/16/2001	1/14/2002	1859	28	0.9592	1.6192	1.4402	0.3926	0	0.3779	0.2831	0.1057	0.1775
10/19/2001	11/16/2001	1/14/2002	1860	28	0.9606	1.8625	1.5211	0.4066	0	0.3914	0.5116	0.1717	0.3399
11/16/2001	12/8/2001	1/30/2002	1957	22	1.0022	1.8546	1.7008	0.3947	0	0.3799	0.4736	0.3214	0.1522
11/16/2001	12/8/2001	1/30/2002	1958	22	1.0003	1.7999	1.6598	0.3969	0	0.3821	0.4186	0.2801	0.1385
11/16/2001	12/8/2001	1/30/2002	1959	22	1.0031	1.5553	1.4931	0.4223	0	0.4065	0.1468	0.0862	0.0606
11/16/2001	12/8/2001	1/30/2002	1960	22	1.0041	1.6087	1.5317	0.4113	0	0.3959	0.2098	0.1344	0.0754
11/16/2001	12/8/2001	1/30/2002	1961	22	1.0021	1.4163	1.4023	0.4168	0	0.4012	0.0141	0.0017	0.0124
11/16/2001	12/8/2001	1/30/2002	1962	22	1.0027	1.4073	1.3904	0.4036	2	0.3855	0.0202	0.0049	0.0153
11/16/2001	12/8/2001	1/30/2002	1963	22	1.0043	1.4446	1.4075	0.4019	0	0.3869	0.0545	0.0190	0.0355
11/16/2001	12/8/2001	1/30/2002	1964	22	1.0009	1.4135	1.3953	0.398	4	0.3771	0.0366	0.0200	0.0166
11/16/2001	12/8/2001	1/30/2002	1965	22	1.0031	1.5091	1.4201	0.396	10	0.3661	0.1410	0.0536	0.0874
11/16/2001	12/8/2001	1/30/2002	1966	22	1.0062	1.4969	1.4078	0.4005	8	0.3734	0.1184	0.0309	0.0875
11/16/2001	12/8/2001	1/30/2002	1967	22	1.0028	1.5003	1.4358	0.4044	0	0.3893	0.1093	0.0464	0.0629
11/16/2001	12/8/2001	1/30/2002	1968	22	0.9992	1.5725	1.4573	0.4047	0	0.3896	0.1848	0.0712	0.1136
12/8/2001	1/21/2002	2/14/2002	2017	44	0.9933	1.3922	1.3795	0.4212	6	0.3964	0.0025	-0.0102	0.0127
12/8/2001	1/21/2002	2/14/2002	2018	44	0.9907	1.3807	1.3759	0.418	2	0.3993	-0.0093	-0.0141	0.0048
12/8/2001	1/21/2002	2/14/2002	2019	44	0.9910	1.374	1.3681	0.4186	3	0.3984	-0.0154	-0.0213	0.0059
12/8/2001	1/21/2002	2/14/2002	2020	44	0.9919	1.3722	1.3491	0.4172	1	0.4001	-0.0198	-0.0429	0.0231

Table B2: Sediment trap data

Site 408													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
12/8/2001	1/21/2002	2/14/2002	2021	44	0.9998	1.3919	1.385	0.4183	2	0.3996	-0.0075	-0.0144	0.0069
12/8/2001	1/21/2002	2/14/2002	2022	44	0.9809	1.3783	1.3634	0.4156	7	0.3895	0.0079	-0.0070	0.0149
12/8/2001	1/21/2002	2/14/2002	2023	44	0.9932	1.3991	1.3889	0.4171	2	0.3985	0.0074	-0.0028	0.0102
12/8/2001	1/21/2002	2/14/2002	2024	44	0.9915	1.3865	1.3758	0.413	2	0.3945	0.0005	-0.0102	0.0107
12/8/2001	1/21/2002	2/14/2002	2025	44	0.9930	1.4581	1.4204	0.4127	0	0.3973	0.0678	0.0301	0.0377
12/8/2001	1/21/2002	2/14/2002	2026	44	0.9806	1.4337	1.402	0.4127	0	0.3973	0.0558	0.0241	0.0317
12/8/2001	1/21/2002	2/14/2002	2027	44	0.9878	1.5503	1.4536	0.4052	0	0.3900	0.1725	0.0758	0.0967
12/8/2001	1/21/2002	2/14/2002	2028	44	0.9923	1.6639	1.4802	0.4051	0	0.3899	0.2817	0.0980	0.1837
1/21/2002	2/3/2002	2/19/2002	2101	13	0.9846	1.3957	1.386	0.4103	0	0.3950	0.0161	0.0064	0.0097
1/21/2002	2/3/2002	2/19/2002	2102	13	0.9881	1.3466	1.3883	0.4109	1	0.3940	-0.0355	0.0062	-0.0417
1/21/2002	2/3/2002	2/19/2002	2103	13	0.9891	1.3962	1.3926	0.4147	0	0.3992	0.0079	0.0043	0.0036
1/21/2002	2/3/2002	2/19/2002	2104	13	0.9871	1.3983	1.3944	0.4158	0	0.4002	0.0110	0.0071	0.0039
1/21/2002	2/3/2002	2/19/2002	2105	13	0.9832	1.4125	1.4007	0.4156	0	0.4001	0.0292	0.0174	0.0118
1/21/2002	2/3/2002	2/19/2002	2106	13	0.9824	1.3969	1.3923	0.414	0	0.3985	0.0160	0.0114	0.0046
1/21/2002	2/3/2002	2/19/2002	2107	13	0.9833	1.3995	1.3946	0.4147	1	0.3977	0.0185	0.0136	0.0049
1/21/2002	2/3/2002	2/19/2002	2108	13	0.9812	1.3952	1.3905	0.4145	0	0.3990	0.0150	0.0103	0.0047
1/21/2002	2/3/2002	2/19/2002	2109	13	0.9841	1.4269	1.4032	0.4167	0	0.4011	0.0417	0.0180	0.0237
1/21/2002	2/3/2002	2/19/2002	2110	13	0.9799	1.4017	1.3912	0.412	0	0.3966	0.0252	0.0147	0.0105
1/21/2002	2/3/2002	2/19/2002	2111	13	0.9804	1.4297	1.4061	0.4141	0	0.3986	0.0507	0.0271	0.0236
1/21/2002	2/3/2002	2/19/2002	2112	13	0.9843	1.5067	1.4356	0.415	0	0.3995	0.1229	0.0518	0.0711
2/3/2002	2/16/2002	4/8/2002	2257	13	0.9703	1.5514	1.5119	0.4265	0	0.4105	0.1706	0.1311	0.0395
2/3/2002	2/16/2002	4/8/2002	2258	13	0.9681	1.5284	1.485	0.4272	0	0.4112	0.1491	0.1057	0.0434
2/3/2002	2/16/2002	4/8/2002	2259	13	0.9660	1.4356	1.4186	0.4274	0	0.4114	0.0582	0.0412	0.0170
2/3/2002	2/16/2002	4/8/2002	2260	13	0.9669	1.4622	1.4263	0.4238	1	0.4064	0.0889	0.0530	0.0359
2/3/2002	2/16/2002	4/8/2002	2261	13	0.9721	1.4311	1.4199	0.4289	0	0.4129	0.0461	0.0349	0.0112
2/3/2002	2/16/2002	4/8/2002	2262	13	0.9677	1.4271	1.409	0.4228	0	0.4070	0.0524	0.0343	0.0181
2/3/2002	2/16/2002	4/8/2002	2263	13	0.9698	1.4258	1.4086	0.422	0	0.4062	0.0498	0.0326	0.0172
2/3/2002	2/16/2002	4/8/2002	2264	13	0.9713	1.4214	1.4112	0.4258	0	0.4099	0.0402	0.0300	0.0102
2/3/2002	2/16/2002	4/8/2002	2265	13	0.9726	1.4227	1.4114	0.4257	0	0.4098	0.0403	0.0290	0.0113
2/3/2002	2/16/2002	4/8/2002	2266	13	0.9710	1.4129	1.4036	0.4237	0	0.4079	0.0340	0.0247	0.0093
2/3/2002	2/16/2002	4/8/2002	2267	13	0.9705	1.4323	1.4086	0.4219	0	0.4061	0.0557	0.0320	0.0237
2/3/2002	2/16/2002	4/8/2002	2268	13	0.9703	1.5027	1.4258	0.4264	0	0.4105	0.1219	0.0450	0.0769
2/16/2002	3/4/2002	3/21/2002	2401	16	0.9755	10.4775	3.1888	0.4254	0	0.4095	9.0925	1.8038	7.2887
2/16/2002	3/4/2002	3/21/2002	2402	16	0.9711	7.1887	3.3211	0.4251	0	0.4092	5.8084	1.9408	3.8676
2/16/2002	3/4/2002	3/21/2002	2403	16	0.9746	2.6686	2.2527	0.4235	0	0.4077	1.2863	0.8704	0.4159
2/16/2002	3/4/2002	3/21/2002	2404	16	0.9669	6.0344	2.604	0.4229	0	0.4071	4.6604	1.2300	3.4304
2/16/2002	3/4/2002	3/21/2002	2405	16	0.9702	1.4103	1.4003	0.4263	1	0.4088	0.0313	0.0213	0.0100
2/16/2002	3/4/2002	3/21/2002	2406	16	0.9687	1.402	1.3963	0.424	0	0.4081	0.0252	0.0195	0.0057
2/16/2002	3/4/2002	3/21/2002	2407	16	0.9693	1.4115	1.3988	0.4253	0	0.4094	0.0328	0.0201	0.0127
2/16/2002	3/4/2002	3/21/2002	2408	16	0.9696	1.405	1.3978	0.4261	0	0.4102	0.0252	0.0180	0.0072
2/16/2002	3/4/2002	3/21/2002	2409	16	0.9743	1.4101	1.4022	0.4285	0	0.4125	0.0233	0.0154	0.0079
2/16/2002	3/4/2002	3/21/2002	2410	16	0.9701	1.4056	1.398	0.4267	0	0.4107	0.0248	0.0172	0.0076
2/16/2002	3/4/2002	3/21/2002	2411	16	0.9720	1.4552	1.4111	0.4258	0	0.4099	0.0733	0.0292	0.0441
2/16/2002	3/4/2002	3/21/2002	2412	16	0.9688	1.4144	1.4017	0.4289	0	0.4129	0.0327	0.0200	0.0127
3/4/2002	3/24/2002	4/18/2002	2593	20	0.9916	1.49	1.4482	0.432	0	0.4158	0.0826	0.0408	0.0418
3/4/2002	3/24/2002	4/18/2002	2594	20	0.9833	1.4215	1.4067	0.4325	1	0.4148	0.0234	0.0086	0.0148
3/4/2002	3/24/2002	4/18/2002	2595	20	0.9849	1.9414	1.732	0.4317	4	0.4095	0.5470	0.3376	0.2094
3/4/2002	3/24/2002	4/18/2002	2596	20	0.9921	1.4276	1.4048	0.4314	2	0.4122	0.0233	0.0005	0.0228
3/4/2002	3/24/2002	4/18/2002	2597	20	0.9853	1.4352	1.4149	0.4305	0	0.4144	0.0355	0.0152	0.0203
3/4/2002	3/24/2002	4/18/2002	2598	20	0.9917	1.4332	1.4193	0.4298	0	0.4137	0.0278	0.0139	0.0139
3/4/2002	3/24/2002	4/18/2002	2599	20	0.9909	1.4311	1.4113	0.4285	0	0.4125	0.0277	0.0079	0.0198
3/4/2002	3/24/2002	4/18/2002	2600	20	0.9883	1.4256	1.4116	0.4319	0	0.4157	0.0216	0.0076	0.0140
3/4/2002	3/24/2002	4/18/2002	2601	20	0.9888	1.4753	1.4367	0.432	0	0.4158	0.0707	0.0321	0.0386

Table B2: Sediment trap data

Site 408													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/4/2002	**3/24/2002**	**4/18/2002**	**2602**	**20**	**0.9887**	**1.4377**	**1.4198**	**0.4321**	**1**	**0.4144**	**0.0346**	**0.0167**	**0.0179**
3/4/2002	**3/24/2002**	**4/18/2002**	**2603**	**20**	**0.9851**	**1.4639**	**1.4208**	**0.4283**	**0**	**0.4123**	**0.0665**	**0.0234**	**0.0431**
3/4/2002	**3/24/2002**	**4/18/2002**	**2604**	**20**	**0.9866**	**1.4605**	**1.4267**	**0.4302**	**0**	**0.4141**	**0.0598**	**0.0260**	**0.0338**
3/24/2002	4/26/2002	5/21/2002	2701	33	0.9662	1.4318	1.4124	0.4306	1	0.4130	0.0526	0.0332	0.0194
3/24/2002	4/26/2002	5/21/2002	2702	58	0.9605	1.4905	1.4518	0.4263	0	0.4104	0.1196	0.0809	0.0387
3/24/2002	4/26/2002	5/21/2002	2703	58	0.9365	1.5042	1.4334	0.4288	1	0.4113	0.1564	0.0856	0.0708
3/24/2002	4/26/2002	5/21/2002	2704	58	0.9333	1.544	1.4546	0.4309	2	0.4118	0.1989	0.1095	0.0894
3/24/2002	4/26/2002	5/21/2002	2705	58	0.9339	1.4136	1.3783	0.4291	0	0.4131	0.0666	0.0313	0.0353
3/24/2002	4/26/2002	5/21/2002	2706	58	0.9336	1.4249	1.3913	0.4326	0	0.4164	0.0749	0.0413	0.0336
3/24/2002	4/26/2002	5/21/2002	2707	58	0.9359	1.4492	1.3899	0.427	0	0.4110	0.1023	0.0430	0.0593
3/24/2002	4/26/2002	5/21/2002	2708	58	0.9356	1.4455	1.3889	0.4266	0	0.4106	0.0993	0.0427	0.0566
3/24/2002	4/26/2002	5/21/2002	2709	58	0.9364	1.5373	1.44	0.4283	0	0.4123	0.1886	0.0913	0.0973
3/24/2002	4/26/2002	5/21/2002	2710	58	0.9355	1.5488	1.4283	0.4274	1	0.4099	0.2034	0.0829	0.1205
3/24/2002	4/26/2002	5/21/2002	2711	58	0.9352	1.7302	1.484	0.4277	0	0.4117	0.3833	0.1371	0.2462
3/24/2002	4/26/2002	5/21/2002	2712	58	0.9336	1.7963	1.5012	0.4234	0	0.4076	0.4551	0.1600	0.2951
4/26/2002	5/31/2002	6/5/2002	2845	40	0.9472	1.4276	1.4009	0.4239	1	0.4065	0.0739	0.0472	0.0267
4/26/2002	5/31/2002	6/5/2002	2846	40	0.9478	1.4582	1.418	0.4261	1	0.4087	0.1017	0.0615	0.0402
4/26/2002	5/31/2002	6/5/2002	2847	40	0.9474	1.4275	1.3877	0.4243	0	0.4084	0.0717	0.0319	0.0398
4/26/2002	5/31/2002	6/5/2002	2848	40	0.9433	1.4362	1.3851	0.4232	0	0.4074	0.0855	0.0344	0.0511
4/26/2002	5/31/2002	6/5/2002	2849	40	0.9437	1.4108	1.3652	0.4221	2	0.4033	0.0638	0.0182	0.0456
4/26/2002	5/31/2002	6/5/2002	2850	40	0.9465	1.4005	1.3681	0.422	0	0.4062	0.0478	0.0154	0.0324
4/26/2002	5/31/2002	6/5/2002	2851	40	0.9529	1.4487	1.3859	0.4263	0	0.4104	0.0854	0.0226	0.0628
4/26/2002	5/31/2002	6/5/2002	2852	40	0.9516	1.4748	1.3867	0.4242	1	0.4068	0.1164	0.0283	0.0881
4/26/2002	5/31/2002	6/5/2002	2853	40	0.9539	1.5137	1.4131	0.4249	0	0.4090	0.1508	0.0502	0.1006
4/26/2002	5/31/2002	6/5/2002	2854	40	0.9564	1.5208	1.4215	0.424	0	0.4081	0.1563	0.0570	0.0993
4/26/2002	5/31/2002	6/5/2002	2855	40	0.9625	1.7119	1.5213	0.425	1	0.4076	0.3418	0.1512	0.1906
4/26/2002	5/31/2002	6/5/2002	2856	40	0.9558	1.6222	1.47	0.4263	0	0.4104	0.2560	0.1038	0.1522
5/31/2002	7/12/2002	7/16/2002	3001	42	0.9776	6.9658	5.7097	0.4321	0	0.4159	5.5723	4.3162	1.2561
5/31/2002	7/12/2002	7/16/2002	3002	42	0.9726	6.0661	4.9561	0.4322	2	0.4130	4.6805	3.5705	1.1100
5/31/2002	7/12/2002	7/16/2002	3003	42	0.9728	5.8298	4.625	0.4297	0	0.4136	4.4434	3.2386	1.2048
5/31/2002	7/12/2002	7/16/2002	3004	42	0.9699	9.8843	7.6729	0.4283	3	0.4077	8.5067	6.2953	2.2114
5/31/2002	7/12/2002	7/16/2002	3005	42	0.9703	1.7284	1.5021	0.4271	0	0.4111	0.3470	0.1207	0.2263
5/31/2002	7/12/2002	7/16/2002	3006	42	0.9797	1.5876	1.4584	0.4264	0	0.4105	0.1974	0.0682	0.1292
5/31/2002	7/12/2002	7/16/2002	3007	42	0.9689	1.8949	1.6184	0.4255	0	0.4096	0.5164	0.2399	0.2765
5/31/2002	7/12/2002	7/16/2002	3008	42	0.9733	2.6465	1.9601	0.4289	10	0.3977	1.2755	0.5891	0.6864
5/31/2002	7/12/2002	7/16/2002	3009	42	0.9729	1.7665	1.5258	0.4339	0	0.4177	0.3759	0.1352	0.2407
5/31/2002	7/12/2002	7/16/2002	3010	42	0.9722	1.6966	1.4447	0.4301	2	0.4110	0.3134	0.0615	0.2519
5/31/2002	7/12/2002	7/16/2002	3011	42	0.9704	1.9087	1.5641	0.4294	0	0.4133	0.5250	0.1804	0.3446
5/31/2002	7/12/2002	7/16/2002	3012	42	0.9782	1.8355	1.5368	0.4306	0	0.4145	0.4428	0.1441	0.2987
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9724	1.4999	1.469	0.4253	3	0.4049	0.1226	0.0917	0.0309
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9798	3.7213	3.229	0.4254	0	0.4095	2.3320	1.8397	0.4923
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9782	7.9318	7.5219	0.4263	0	0.4104	6.5432	6.1333	0.4099
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9765	5.9915	5.4677	0.4262	0	0.4103	4.6047	4.0809	0.5238
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9770	1.4871	1.4208	0.4251	0	0.4092	0.1009	0.0346	0.0663
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9764	1.4451	1.4036	0.4265	0	0.4105	0.0582	0.0167	0.0415
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9769	1.5064	1.4315	0.4268	0	0.4108	0.1187	0.0438	0.0749
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9777	1.5348	1.4467	0.4276	0	0.4116	0.1455	0.0574	0.0881
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9728	1.5328	1.4672	0.4281	0	0.4121	0.1479	0.0823	0.0656
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9748	1.548	1.4643	0.4257	0	0.4098	0.1634	0.0797	0.0837
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9777	1.9573	1.5259	0.4259	0	0.4100	0.5696	0.1382	0.4314
7/12/2002	8/13/2002	8/16/2002	3133	32	0.9770	1.6629	1.4602	0.4248	2	0.4059	0.2800	0.0773	0.2027

Table B2: Sediment trap data

Site 409													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/19/2001	2/20/2001	2/28/2001	85	32	32.2903	32.6833	32.6737	0.4025	0	0.3874	0.0056	-0.0040	0.0096
1/19/2001	2/20/2001	2/28/2001	86	32	30.4930	30.8657	30.8618	0.4048	0	0.3897	-0.0170	-0.0209	0.0039
1/19/2001	2/20/2001	2/28/2001	87	32	29.8983	30.2834	30.2803	0.4057	0	0.3905	-0.0054	-0.0085	0.0031
1/19/2001	2/20/2001	2/28/2001	88	32	33.4571	33.8314	33.8258	0.3948	0	0.3800	-0.0057	-0.0113	0.0056
1/19/2001	2/20/2001	2/28/2001	89	32	30.7755	31.3341	31.2894	0.398	0	0.3831	0.1755	0.1308	0.0447
1/19/2001	2/20/2001	2/28/2001	90	32	31.6538	32.0393	32.0351	0.4008	0	0.3858	-0.0003	-0.0045	0.0042
1/19/2001	2/20/2001	2/28/2001	91	32	30.8123	31.1932	31.1897	0.4023	0	0.3873	-0.0064	-0.0099	0.0035
1/19/2001	2/20/2001	2/28/2001	92	32	29.8790	30.2928	30.284	0.4026	0	0.3875	0.0263	0.0175	0.0088
1/19/2001	2/20/2001	2/28/2001	93	32	32.9101	33.8586	33.5513	0.392	0	0.3773	0.5712	0.2639	0.3073
1/19/2001	2/20/2001	2/28/2001	94	32	30.8062	31.2505	31.2216	0.3966	0	0.3818	0.0625	0.0336	0.0289
1/19/2001	2/20/2001	2/28/2001	95	32	29.3680	31.8891	31.1082	0.3954	0	0.3806	2.1405	1.3596	0.7809
1/19/2001	2/20/2001	2/28/2001	96	32	30.0266	32.1659	31.4124	0.3949	0	0.3801	1.7592	1.0057	0.7535
2/20/2001	3/2/2001	3/8/2001	253	10	30.7859	31.1619	31.1654	0.4044	0	0.3893	-0.0133	-0.0098	-0.0035
2/20/2001	3/2/2001	3/8/2001	254	10	30.7519	31.1352	31.1402	0.3989	0	0.3840	-0.0007	0.0043	-0.0050
2/20/2001	3/2/2001	3/8/2001	255	10	31.5372	31.9232	31.9283	0.4048	0	0.3897	-0.0037	0.0014	-0.0051
2/20/2001	3/2/2001	3/8/2001	256	10	32.2892	32.6807	32.6853	0.4063	0	0.3911	0.0004	0.0050	-0.0046
2/20/2001	3/2/2001	3/8/2001	257	10	33.4543	33.8489	33.8494	0.4049	0	0.3898	0.0048	0.0053	-0.0005
2/20/2001	3/2/2001	3/8/2001	258	10	32.4944	32.8855	32.8863	0.4087	0	0.3934	-0.0023	-0.0015	-0.0008
2/20/2001	3/2/2001	3/8/2001	259	10	31.0461	31.4348	31.4365	0.4008	0	0.3858	0.0029	0.0046	-0.0017
2/20/2001	3/2/2001	3/8/2001	260	10	32.1258	32.519	32.5206	0.4084	0	0.3931	0.0001	0.0017	-0.0016
2/20/2001	3/2/2001	3/8/2001	261	10	32.0825	32.5337	32.5148	0.4041	0	0.3890	0.0622	0.0433	0.0189
2/20/2001	3/2/2001	3/8/2001	262	10	30.5137	30.9757	30.9546	0.4087	0	0.3934	0.0686	0.0475	0.0211
2/20/2001	3/2/2001	3/8/2001	263	10	28.0978	28.6096	28.5687	0.4108	0	0.3954	0.1164	0.0755	0.0409
2/20/2001	3/2/2001	3/8/2001	264	10	18.3536	18.8575	18.8119	0.4098	0	0.3945	0.1094	0.0638	0.0456
3/2/2001	**3/16/2001**	**3/29/2001**	**457**	**14**	**0.9994**	**1.4433**	**1.418**	**0.3707**	**2**	**0.3538**	**0.0912**	**0.0675**	**0.0237**
3/2/2001	**3/16/2001**	**3/29/2001**	**458**	**14**	**0.9990**	**1.4568**	**1.4341**	**0.3939**	**0.5**	**0.3784**	**0.0805**	**0.0594**	**0.0211**
3/2/2001	**3/16/2001**	**3/29/2001**	**459**	**14**	**0.9996**	**2.0402**	**1.8429**	**0.3855**	**1.5**	**0.3688**	**0.6729**	**0.4772**	**0.1957**
3/2/2001	**3/16/2001**	**3/29/2001**	**460**	**14**	**1.0009**	**2.0127**	**1.8193**	**0.3854**	**4**	**0.3649**	**0.6480**	**0.4562**	**0.1918**
3/2/2001	**3/16/2001**	**3/29/2001**	**461**	**14**	**1.0003**	**1.3973**	**1.386**	**0.3869**	**4**	**0.3664**	**0.0317**	**0.0220**	**0.0097**
3/2/2001	**3/16/2001**	**3/29/2001**	**462**	**14**	**0.9991**	**1.3929**	**1.3839**	**0.3862**	**0.5**	**0.3710**	**0.0239**	**0.0165**	**0.0074**
3/2/2001	**3/16/2001**	**3/29/2001**	**463**	**14**	**1.0015**	**1.3845**	**1.376**	**0.38**	**4**	**0.3597**	**0.0244**	**0.0175**	**0.0069**
3/2/2001	**3/16/2001**	**3/29/2001**	**464**	**14**	**0.9981**	**1.4006**	**1.3881**	**0.3824**	**4**	**0.3620**	**0.0415**	**0.0306**	**0.0109**
3/2/2001	**3/16/2001**	**3/29/2001**	**465**	**14**	**1.0007**	**1.4101**	**1.3928**	**0.3826**	**1**	**0.3668**	**0.0437**	**0.0280**	**0.0157**
3/2/2001	**3/16/2001**	**3/29/2001**	**466**	**14**	**1.0016**	**1.4248**	**1.4014**	**0.3833**	**0.5**	**0.3682**	**0.0561**	**0.0343**	**0.0218**
3/2/2001	**3/16/2001**	**3/29/2001**	**467**	**14**	**0.9991**	**1.4143**	**1.393**	**0.3786**	**1**	**0.3629**	**0.0534**	**0.0337**	**0.0197**
3/2/2001	**3/16/2001**	**3/29/2001**	**468**	**14**	**1.0014**	**1.515**	**1.448**	**0.3812**	**1**	**0.3654**	**0.1493**	**0.0839**	**0.0654**
3/16/2001	**3/30/2001**	**5/9/2001**	**577**	**14**	**1.0176**	**1.5845**	**1.5361**	**0.3961**	**2**	**0.3783**	**0.1897**	**0.1430**	**0.0468**
3/16/2001	**3/30/2001**	**5/9/2001**	**578**	**14**	**1.0159**	**1.5572**	**1.5139**	**0.3812**	**1**	**0.3654**	**0.1770**	**0.1353**	**0.0417**
3/16/2001	**3/30/2001**	**5/9/2001**	**579**	**14**	**1.0136**	**1.6438**	**1.5786**	**0.3861**	**0**	**0.3717**	**0.2596**	**0.1961**	**0.0636**
3/16/2001	**3/30/2001**	**5/9/2001**	**580**	**14**	**1.0186**	**1.6476**	**1.5843**	**0.3894**	**4**	**0.3688**	**0.2613**	**0.1997**	**0.0617**
3/16/2001	**3/30/2001**	**5/9/2001**	**581**	**14**	**1.0168**	**1.4163**	**1.409**	**0.3927**	**2**	**0.3750**	**0.0256**	**0.0200**	**0.0057**
3/16/2001	**3/30/2001**	**5/9/2001**	**582**	**14**	**1.0156**	**1.4147**	**1.407**	**0.3935**	**6**	**0.3697**	**0.0305**	**0.0244**	**0.0061**
3/16/2001	**3/30/2001**	**5/9/2001**	**583**	**14**	**1.0195**	**1.4049**	**1.3979**	**0.3811**	**0**	**0.3668**	**0.0197**	**0.0143**	**0.0054**
3/16/2001	**3/30/2001**	**5/9/2001**	**584**	**14**	**1.0218**	**1.415**	**1.4068**	**0.3854**	**1.5**	**0.3687**	**0.0256**	**0.0190**	**0.0066**
3/16/2001	**3/30/2001**	**5/9/2001**	**585**	**14**	**1.0165**	**1.4468**	**1.4187**	**0.3876**	**0**	**0.3731**	**0.0583**	**0.0318**	**0.0265**
3/16/2001	**3/30/2001**	**5/9/2001**	**586**	**14**	**1.0192**	**1.4429**	**1.4212**	**0.3908**	**0**	**0.3762**	**0.0486**	**0.0286**	**0.0201**
3/16/2001	**3/30/2001**	**5/9/2001**	**587**	**14**	**1.0179**	**1.4386**	**1.4187**	**0.3902**	**0.5**	**0.3749**	**0.0470**	**0.0287**	**0.0183**
3/16/2001	**3/30/2001**	**5/9/2001**	**588**	**14**	**1.0186**	**1.433**	**1.4093**	**0.38**	**0**	**0.3658**	**0.0497**	**0.0277**	**0.0221**
3/30/2001	4/20/2001	5/23/2001	769	21	0.9752	1.4418	1.4326	0.4425	0	0.4260	0.0417	0.0341	0.0076
3/30/2001	4/20/2001	5/23/2001	770	21	0.9778	1.4444	1.4344	0.4369	0	0.4206	0.0471	0.0387	0.0084
3/30/2001	4/20/2001	5/23/2001	771	21	0.9866	1.5036	1.4867	0.4508	0	0.4339	0.0841	0.0688	0.0153
3/30/2001	4/20/2001	5/23/2001	772	21	0.9846	1.4752	1.4614	0.4492	0	0.4324	0.0593	0.0471	0.0122
3/30/2001	4/20/2001	5/23/2001	773	21	0.9725	1.4569	1.4462	0.4501	0.5	0.4325	0.0529	0.0438	0.0091
3/30/2001	4/20/2001	5/23/2001	774	21	0.9756	1.5713	1.4905	0.451	0.5	0.4334	0.1634	0.0842	0.0792

Table B2: Sediment trap data

Site 409													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/30/2001	4/20/2001	5/23/2001	775	21	0.9799	1.5049	1.4733	0.4466	0	0.4299	0.0962	0.0661	0.0300
3/30/2001	4/20/2001	5/23/2001	776	21	0.9849	1.481	1.4695	0.4469	0	0.4302	0.0670	0.0571	0.0099
3/30/2001	4/20/2001	5/23/2001	777	21	0.9773	5.0745	3.466	0.4553	1	0.4368	3.6615	2.0546	1.6069
3/30/2001	4/20/2001	5/23/2001	778	21	0.9749	3.5763	2.5881	0.4549	0	0.4379	2.1646	1.1779	0.9866
3/30/2001	4/20/2001	5/23/2001	779	21	0.9755	1.696	1.5966	0.455	0.5	0.4372	0.2843	0.1865	0.0978
3/30/2001	4/20/2001	5/23/2001	780	21	0.9761	2.3609	1.848	0.451	0	0.4341	0.9517	0.4404	0.5113
4/20/2001	5/18/2001	6/14/2001	805	28	0.9806	1.459	1.4326	0.4434	1	0.4253	0.0542	0.0293	0.0248
4/20/2001	5/18/2001	6/14/2001	806	28	0.9867	1.496	1.4528	0.4581	0	0.4410	0.0694	0.0278	0.0416
4/20/2001	5/18/2001	6/14/2001	807	28	0.9821	1.4948	1.4573	0.4555	0	0.4385	0.0753	0.0394	0.0359
4/20/2001	5/18/2001	6/14/2001	808	28	0.9794	1.4659	1.4345	0.4505	0	0.4337	0.0539	0.0241	0.0298
4/20/2001	5/18/2001	6/14/2001	809	28	0.9810	2.237	1.6922	0.3927	2.5	0.3742	0.8828	0.3396	0.5432
4/20/2001	5/18/2001	6/14/2001	810	28	0.9796	1.6293	1.4584	0.3911	0	0.3765	0.2743	0.1050	0.1693
4/20/2001	5/18/2001	6/14/2001	811	28	0.9788	1.7039	1.5508	0.3963	0	0.3815	0.3447	0.1932	0.1515
4/20/2001	5/18/2001	6/14/2001	812	28	0.9771	1.5817	1.4587	0.3928	0	0.3781	0.2276	0.1061	0.1214
4/20/2001	5/18/2001	6/14/2001	813	28	0.9822	1.6693	1.4987	0.3908	0	0.3762	0.3120	0.1430	0.1690
4/20/2001	5/18/2001	6/14/2001	814	28	0.9789	2.0769	1.6379	0.3916	0	0.3770	0.7221	0.2847	0.4374
4/20/2001	5/18/2001	6/14/2001	815	28	0.9808	1.5783	1.4616	0.3959	0.5	0.3803	0.2182	0.1031	0.1151
4/20/2001	5/18/2001	6/14/2001	816	28	0.9815	1.6202	1.4637	0.3912	0	0.3766	0.2632	0.1083	0.1549
5/18/2001	6/14/2001	7/10/2001	1021	27	0.9734	1.898	1.779	0.3914	6	0.3677	0.5580	0.4405	0.1174
5/18/2001	6/14/2001	7/10/2001	1022	27	0.9725	1.9093	1.7695	0.3914	10	0.3616	0.5762	0.4380	0.1382
5/18/2001	6/14/2001	7/10/2001	1023	27	0.9750	2.2512	2.014	0.3904	3	0.3713	0.9060	0.6704	0.2356
5/18/2001	6/14/2001	7/10/2001	1024	27	0.9706	2.3106	2.0615	0.3892	7	0.3641	0.9770	0.7295	0.2475
5/18/2001	6/14/2001	7/10/2001	1025	27	0.9698	1.4181	1.3822	0.39	9	0.3618	0.0876	0.0532	0.0343
5/18/2001	6/14/2001	7/10/2001	1026	27	0.9695	1.4122	1.3808	0.3968	6	0.3729	0.0709	0.0410	0.0298
5/18/2001	6/14/2001	7/10/2001	1027	27	0.9756	1.3725	1.3378	0.393	25	0.3405	0.0575	0.0243	0.0331
5/18/2001	6/14/2001	7/10/2001	1028	27	0.9747	1.3957	1.3675	0.3972	20	0.3521	0.0700	0.0433	0.0266
5/18/2001	6/14/2001	7/10/2001	1029	27	0.9725	1.5065	1.4141	0.3937	5	0.3714	0.1636	0.0728	0.0908
5/18/2001	6/14/2001	7/10/2001	1030	27	0.9736	1.4686	1.3912	0.3941	3	0.3748	0.1212	0.0454	0.0758
5/18/2001	6/14/2001	7/10/2001	1031	27	0.9718	1.534	1.4177	0.3945	0	0.3797	0.1835	0.0688	0.1147
5/18/2001	6/14/2001	7/10/2001	1032	27	0.9802	1.767	1.5579	0.383	0	0.3687	0.4192	0.2117	0.2075
6/14/2001	7/11/2001	7/17/2001	1129	27	0.9775	1.4698	1.4121	0.4232	0	0.4074	0.0860	0.0299	0.0561
6/14/2001	7/11/2001	7/17/2001	1130	27	0.9777	1.468	1.4145	0.4278	3	0.4073	0.0841	0.0322	0.0519
6/14/2001	7/11/2001	7/17/2001	1131	27	0.9789	1.5549	1.4874	0.4302	1	0.4126	0.1645	0.0985	0.0659
6/14/2001	7/11/2001	7/17/2001	1132	27	0.9786	1.4863	1.4548	0.4273	1	0.4098	0.0990	0.0690	0.0299
6/14/2001	7/11/2001	7/17/2001	1133	27	0.9798	1.4108	1.3994	0.4295	1	0.4119	0.0201	0.0103	0.0098
6/14/2001	7/11/2001	7/17/2001	1134	27	0.9793	1.401	1.3917	0.423	2	0.4042	0.0186	0.0109	0.0077
6/14/2001	7/11/2001	7/17/2001	1135	27	0.9744	1.402	1.3907	0.4284	6	0.4033	0.0254	0.0156	0.0097
6/14/2001	7/11/2001	7/17/2001	1136	27	0.9746	1.386	1.3804	0.426	0	0.4101	0.0024	-0.0016	0.0040
6/14/2001	7/11/2001	7/17/2001	1137	27	0.984	1.5601	1.4479	0.4264	1	0.4089	0.1682	0.0576	0.1106
6/14/2001	7/11/2001	7/17/2001	1138	27	0.9762	1.462	1.4096	0.4273	2	0.4083	0.0786	0.0277	0.0508
6/14/2001	7/11/2001	7/17/2001	1139	27	0.9774	1.4628	1.3991	0.4258	0	0.4099	0.0766	0.0145	0.0621
6/14/2001	7/11/2001	7/17/2001	1140	27	0.9815	1.5707	1.4496	0.4218	0	0.4060	0.1842	0.0647	0.1195
7/11/2001	8/20/2001	9/20/2001	1273	40	0.9739	1.3639	1.3416	0.3942	2	0.3764	0.0146	-0.0061	0.0207
7/11/2001	8/20/2001	9/20/2001	1274	40	0.9751	1.3542	1.339	0.401	3	0.3815	-0.0013	-0.0149	0.0136
7/11/2001	8/20/2001	9/20/2001	1275	40	0.9752	1.3842	1.3505	0.3974	4	0.3765	0.0336	0.0014	0.0321
7/11/2001	8/20/2001	9/20/2001	1276	40	0.9863	1.3555	1.334	0.3891	7	0.3640	0.0063	-0.0136	0.0199
7/11/2001	8/20/2001	9/20/2001	1277	40	0.9800	1.7396	1.5446	0.3931	2	0.3754	0.3853	0.1919	0.1934
7/11/2001	8/20/2001	9/20/2001	1278	40	0.9722	1.69	1.501	0.398	2	0.3801	0.3388	0.1513	0.1874
7/11/2001	8/20/2001	9/20/2001	1279	40	0.9780	1.5711	1.4238	0.4071	14	0.3707	0.2235	0.0777	0.1457
7/11/2001	8/20/2001	9/20/2001	1280	40	0.9829	2.09	1.8278	0.4004	0	0.3854	0.7227	0.4621	0.2606
7/11/2001	8/20/2001	9/20/2001	1281	40	0.9778	4.9387	4.1769	0.3928	5	0.3705	3.5914	2.8312	0.7602
7/11/2001	8/20/2001	9/20/2001	1282	40	0.9842	1.9493	1.7589	0.3941	3	0.3748	0.5913	0.4025	0.1888
7/11/2001	8/20/2001	9/20/2001	1283	40	0.9828	1.4869	1.3939	0.3932	2	0.3755	0.1297	0.0383	0.0914

Site 409													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
7/11/2001	8/20/2001	9/20/2001	1284	40	0.9828	1.5043	1.4039	0.3922	1	0.3760	0.1465	0.0477	0.0988
8/20/2001	9/14/2001	10/10/2001	1489	25	0.9822	1.4267	1.3891	0.3942	5	0.3719	0.0737	0.0377	0.0360
8/20/2001	9/14/2001	10/10/2001	1490	25	0.9785	1.4663	1.3946	0.393	0	0.3783	0.1106	0.0404	0.0701
8/20/2001	9/14/2001	10/10/2001	1491	25	0.9742	1.5713	1.4638	0.3908	0	0.3762	0.2220	0.1160	0.1059
8/20/2001	9/14/2001	10/10/2001	1492	25	0.9714	1.4298	1.3856	0.4066	1	0.3899	0.0696	0.0269	0.0426
8/20/2001	9/14/2001	10/10/2001	1493	25	0.9740	1.4206	1.3636	0.3902	6	0.3665	0.0811	0.0257	0.0554
8/20/2001	9/14/2001	10/10/2001	1494	25	0.9724	1.421	1.3777	0.4088	2	0.3905	0.0592	0.0174	0.0417
8/20/2001	9/14/2001	10/10/2001	1495	25	0.9754	1.4169	1.3695	0.4061	2	0.3879	0.0547	0.0088	0.0458
8/20/2001	9/14/2001	10/10/2001	1496	25	0.9755	1.4331	1.382	0.4061	1	0.3894	0.0693	0.0197	0.0495
8/20/2001	9/14/2001	10/10/2001	1497	25	0.9744	1.4894	1.4158	0.406	0	0.3908	0.1252	0.0532	0.0720
8/20/2001	9/14/2001	10/10/2001	1498	25	0.9754	1.6269	1.492	0.4065	0	0.3913	0.2613	0.1279	0.1333
8/20/2001	9/14/2001	10/10/2001	1499	25	0.9726	1.5271	1.439	0.4048	0	0.3897	0.1659	0.0794	0.0865
8/20/2001	9/14/2001	10/10/2001	1500	25	0.9731	1.5525	1.4575	0.4053	0	0.3901	0.1903	0.0969	0.0934
9/14/2001	10/19/2001	1/10/2002	1645	35	0.9604	2.5309	2.2493	0.3666	0	0.3529	1.2187	0.9386	0.2801
9/14/2001	10/19/2001	1/10/2002	1646	35	0.9607	2.1456	1.9369	0.3781	1	0.3624	0.8235	0.6163	0.2072
9/14/2001	10/19/2001	1/10/2002	1647	35	0.9590	2.2887	2.0896	0.3694	0	0.3556	0.9752	0.7776	0.1976
9/14/2001	10/19/2001	1/10/2002	1648	35	0.9615	2.3871	2.1054	0.3632	1	0.3481	1.0785	0.7984	0.2801
9/14/2001	10/19/2001	1/10/2002	1649	35	0.9578	1.82	1.6903	0.3743	0	0.3603	0.5029	0.3748	0.1282
9/14/2001	10/19/2001	1/10/2002	1650	35	0.9557	1.944	1.7749	0.3705	1	0.3551	0.6342	0.4667	0.1676
9/14/2001	10/19/2001	1/10/2002	1651	35	0.9585	1.9724	1.7911	0.3646	0	0.3510	0.6640	0.4842	0.1798
9/14/2001	10/19/2001	1/10/2002	1652	35	0.9613	1.7838	1.6738	0.357	0	0.3436	0.4799	0.3714	0.1084
9/14/2001	10/19/2001	1/10/2002	1653	35	0.9547	2.4002	1.9581	0.38	1	0.3643	1.0823	0.6417	0.4406
9/14/2001	10/19/2001	1/10/2002	1654	35	0.9577	4.103	2.8676	0.3788	2	0.3616	2.7847	1.5509	1.2339
9/14/2001	10/19/2001	1/10/2002	1655	35	0.9536	2.8777	2.3275	0.3644	0	0.3508	1.5744	1.0257	0.5487
9/14/2001	10/19/2001	1/10/2002	1656	35	0.9584	4.1408	3.0937	0.3742	0	0.3602	2.8232	1.7777	1.0456
10/19/2001	11/16/2001	1/15/2002	1861	28	0.9814	1.6275	1.5704	0.4094	0	0.3941	0.2531	0.1976	0.0555
10/19/2001	11/16/2001	1/15/2002	1862	28	0.9833	1.6825	1.6244	0.3914	0	0.3768	0.3235	0.2670	0.0565
10/19/2001	11/16/2001	1/15/2002	1863	28	0.9853	2.1778	2.0394	0.3934	0	0.3787	0.8149	0.6781	0.1368
10/19/2001	11/16/2001	1/15/2002	1864	28	0.9870	1.7412	1.6668	0.4082	0	0.3929	0.3623	0.2895	0.0728
10/19/2001	11/16/2001	1/15/2002	1865	28	0.9871	1.514	1.4625	0.4069	0	0.3917	0.1363	0.0864	0.0499
10/19/2001	11/16/2001	1/15/2002	1866	28	0.9791	1.4949	1.4497	0.4069	0	0.3917	0.1252	0.0816	0.0436
10/19/2001	11/16/2001	1/15/2002	1867	28	0.9767	1.4745	1.4325	0.3986	0	0.3837	0.1152	0.0747	0.0404
10/19/2001	11/16/2001	1/15/2002	1868	28	0.9840	1.4762	1.4364	0.3992	0	0.3843	0.1090	0.0708	0.0382
10/19/2001	11/16/2001	1/15/2002	1869	28	0.9830	2.0117	1.7369	0.4012	0	0.3862	0.6436	0.3704	0.2732
10/19/2001	11/16/2001	1/15/2002	1870	28	0.9861	1.911	1.6935	0.3939	0	0.3792	0.5468	0.3309	0.2159
10/19/2001	11/16/2001	1/15/2002	1871	28	0.9842	1.6334	1.5227	0.3905	0	0.3759	0.2744	0.1653	0.1091
10/19/2001	11/16/2001	1/15/2002	1872	28	0.9833	1.687	1.5606	0.3945	0	0.3797	0.3250	0.2002	0.1248
11/16/2001	12/8/2001		1933	22	1.0039	1.5202	1.499	0.4165	0	0.4009	0.1165	0.0969	0.0196
11/16/2001	12/8/2001		1934	22	1.0032	1.6743	1.6108	0.4003	0	0.3853	0.2869	0.2250	0.0619
11/16/2001	12/8/2001		1935	22	1.0049	1.7005	1.6199	0.4186	0	0.4029	0.2937	0.2148	0.0790
11/16/2001	12/8/2001		1936	22	1.0095	1.7395	1.6503	0.4195	5	0.3962	0.3348	0.2473	0.0876
11/16/2001	12/8/2001		1937	22	1.0076	1.6156	1.57	0.4172	0	0.4016	0.2075	0.1635	0.0440
11/16/2001	12/8/2001		1938	22	1.0084	1.6004	1.5585	0.4249	2	0.4060	0.1871	0.1468	0.0403
11/16/2001	12/8/2001		1939	22	1.0057	1.5941	1.5607	0.4199	0	0.4042	0.1853	0.1535	0.0318
11/16/2001	12/8/2001		1940	22	1.0083	1.5568	1.5261	0.3978	0	0.3829	0.1667	0.1376	0.0291
11/16/2001	12/8/2001		1941	22	1.0054	3.4618	1.6496	0.399	0	0.3841	2.0734	0.2628	1.8106
11/16/2001	12/8/2001		1942	22	1.0072	2.8209	2.1874	0.3981	0	0.3832	1.4316	0.7997	0.6319
11/16/2001	12/8/2001		1943	22	1.0060	2.7773	2.21	0.403	0	0.3879	1.3845	0.8188	0.5657
11/16/2001	12/8/2001		1944	22	1.0043	3.4626	2.7031	0.4057	0	0.3905	2.0689	1.3110	0.7579
12/8/2001	1/21/2002	2/7/2002	1993	44	0.9889	1.4244	1.3564	0.4187	5	0.3955	0.0400	-0.0280	0.0680
12/8/2001	1/21/2002	2/7/2002	1994	44	0.9882	1.3909	1.386	0.4213	5	0.3980	0.0047	-0.0002	0.0049
12/8/2001	1/21/2002	2/7/2002	1995	44	0.9879	1.4168	1.3632	0.4214	8	0.3935	0.0354	-0.0182	0.0536
12/8/2001	1/21/2002	2/7/2002	1996	44	0.9843	1.4128	1.3741	0.4171	12	0.3834	0.0451	0.0064	0.0387

Table B2: Sediment trap data

Site 409													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
12/8/2001	1/21/2002	2/7/2002	1997	44	0.9881	1.4288	1.4161	0.4191	1	0.4019	0.0388	0.0261	0.0127
12/8/2001	1/21/2002	2/7/2002	1998	44	0.9845	1.4158	1.4052	0.4167	0	0.4011	0.0302	0.0196	0.0106
12/8/2001	1/21/2002	2/7/2002	1999	44	0.9845	1.4093	1.3995	0.4166	2	0.3980	0.0268	0.0170	0.0098
12/8/2001	1/21/2002	2/7/2002	2000	44	0.9850	1.4142	1.4095	0.4159	0	0.4003	0.0289	0.0242	0.0047
12/8/2001	1/21/2002	2/7/2002	2001	44	0.9805	1.4859	1.443	0.4116	0	0.3962	0.1092	0.0663	0.0429
12/8/2001	1/21/2002	2/7/2002	2002	44	0.9794	1.4341	1.4115	0.4092	1	0.3924	0.0623	0.0397	0.0226
12/8/2001	1/21/2002	2/7/2002	2003	44	0.9799	1.3971	1.3837	0.4093	22	0.3607	0.0565	0.0431	0.0134
12/8/2001	1/21/2002	2/7/2002	2004	44	0.9805	2.228	1.8475	0.4095	125	0.2051	1.0424	0.6619	0.3805
1/21/2002	2/3/2002	4/1/2002	2077	13	0.9826	1.3742	1.368	0.3929	0	0.3782	0.0134	0.0072	0.0062
1/21/2002	2/3/2002	4/1/2002	2078	13	0.9781	1.3745	1.3688	0.4003	0	0.3853	0.0111	0.0054	0.0057
1/21/2002	2/3/2002	4/1/2002	2079	13	0.9761	1.3774	1.3671	0.3963	0	0.3815	0.0198	0.0095	0.0103
1/21/2002	2/3/2002	4/1/2002	2080	13	0.9724	1.3709	1.3632	0.3969	0	0.3821	0.0164	0.0087	0.0077
1/21/2002	2/3/2002	4/1/2002	2081	13	0.9755	1.3926	1.3804	0.3946	0	0.3798	0.0373	0.0251	0.0122
1/21/2002	2/3/2002	4/1/2002	2082	13	0.9775	1.3915	1.3797	0.3969	1	0.3805	0.0335	0.0217	0.0118
1/21/2002	2/3/2002	4/1/2002	2083	13	0.9771	1.3909	1.3804	0.3995	0	0.3846	0.0292	0.0187	0.0105
1/21/2002	2/3/2002	4/1/2002	2084	13	0.9791	1.4001	1.3859	0.3973	0	0.3824	0.0386	0.0244	0.0142
1/21/2002	2/3/2002	4/1/2002	2085	13	0.9776	1.4472	1.4124	0.3999	0	0.3849	0.0847	0.0499	0.0348
1/21/2002	2/3/2002	4/1/2002	2086	13	0.9762	1.4452	1.4072	0.3988	2	0.3809	0.0881	0.0501	0.0380
1/21/2002	2/3/2002	4/1/2002	2087	13	0.9767	1.4517	1.4122	0.4003	0	0.3853	0.0897	0.0502	0.0395
1/21/2002	2/3/2002	4/1/2002	2088	13	0.9789	1.4364	1.4064	0.4027	0	0.3876	0.0699	0.0399	0.0300
2/3/2002	2/16/2002	4/3/2002	2233	13	0.9694	1.6374	1.5755	0.4206	0	0.4049	0.2631	0.2012	0.0619
2/3/2002	2/16/2002	4/3/2002	2234	13	0.9731	1.7016	1.6249	0.4207	0	0.4050	0.3235	0.2468	0.0767
2/3/2002	2/16/2002	4/3/2002	2235	13	0.9733	1.5784	1.5309	0.4211	0	0.4054	0.1997	0.1522	0.0475
2/3/2002	2/16/2002	4/3/2002	2236	13	0.9732	1.6089	1.5498	0.4249	0	0.4090	0.2267	0.1676	0.0591
2/3/2002	2/16/2002	4/3/2002	2237	13	0.9716	1.4366	1.423	0.4219	0	0.4061	0.0589	0.0453	0.0136
2/3/2002	2/16/2002	4/3/2002	2238	13	0.9690	1.4178	1.4083	0.4247	0	0.4088	0.0400	0.0305	0.0095
2/3/2002	2/16/2002	4/3/2002	2239	13	0.9705	1.4139	1.405	0.4243	0	0.4084	0.0350	0.0261	0.0089
2/3/2002	2/16/2002	4/3/2002	2240	13	0.9697	1.4073	1.4017	0.427	0	0.4110	0.0266	0.0210	0.0056
2/3/2002	2/16/2002	4/3/2002	2241	13	0.9711	1.4829	1.4536	0.424	0	0.4081	0.1037	0.0744	0.0293
2/3/2002	2/16/2002	4/3/2002	2242	13	0.9702	1.5617	1.4988	0.4251	0	0.4092	0.1823	0.1194	0.0629
2/3/2002	2/16/2002	4/3/2002	2243	13	0.9753	1.5227	1.4741	0.4234	0	0.4076	0.1398	0.0912	0.0486
2/3/2002	2/16/2002	4/3/2002	2244	13	0.9713	1.4902	1.4525	0.4259	0	0.4100	0.1089	0.0712	0.0377
2/16/2002	3/4/2002	4/9/2002	2377	16	0.9755	2.537	2.2794	0.4252	2	0.4063	1.1552	0.8976	0.2576
2/16/2002	3/4/2002	4/9/2002	2378	16	0.9789	2.6345	2.3528	0.4264	1	0.4089	1.2467	0.9650	0.2817
2/16/2002	3/4/2002	4/9/2002	2379	16	0.9784	2.6654	2.3704	0.429	0	0.4130	1.2740	0.9790	0.2950
2/16/2002	3/4/2002	4/9/2002	2380	16	0.9740	2.4173	2.1753	0.4256	0	0.4097	1.0336	0.7916	0.2420
2/16/2002	3/4/2002	4/9/2002	2381	16	0.9750	1.4503	1.4356	0.4252	0	0.4093	0.0660	0.0513	0.0147
2/16/2002	3/4/2002	4/9/2002	2382	16	0.9722	1.4561	1.4364	0.4263	0	0.4104	0.0735	0.0538	0.0197
2/16/2002	3/4/2002	4/9/2002	2383	16	0.9715	1.4315	1.4221	0.4273	0	0.4113	0.0487	0.0393	0.0094
2/16/2002	3/4/2002	4/9/2002	2384	16	0.9719	1.45	1.4318	0.428	0	0.4120	0.0661	0.0479	0.0182
2/16/2002	3/4/2002	4/9/2002	2385	16	0.9730	1.4513	1.4333	0.428	0	0.4120	0.0663	0.0483	0.0180
2/16/2002	3/4/2002	4/9/2002	2386	16	0.9699	1.4578	1.4376	0.4298	0	0.4137	0.0742	0.0540	0.0202
2/16/2002	3/4/2002	4/9/2002	2387	16	0.9682	1.4328	1.4183	0.4298	0	0.4137	0.0509	0.0364	0.0145
2/16/2002	3/4/2002	4/9/2002	2388	16	0.9695	1.4383	1.4215	0.4283	0	0.4123	0.0565	0.0397	0.0168
3/4/2002	3/24/2002	4/25/2002	2617	20	0.9946	1.4309	1.419	0.428	0	0.4120	0.0243	0.0124	0.0119
3/4/2002	3/24/2002	4/25/2002	2618	20	0.9958	1.4545	1.4362	0.4283	1	0.4108	0.0479	0.0296	0.0183
3/4/2002	3/24/2002	4/25/2002	2619	20	1.0023	1.4698	1.4486	0.4319	1	0.4142	0.0533	0.0321	0.0212
3/4/2002	3/24/2002	4/25/2002	2620	20	1.0052	1.4489	1.4327	0.4291	1	0.4115	0.0322	0.0160	0.0162
3/4/2002	3/24/2002	4/25/2002	2621	20	1.0043	1.5158	1.494	0.4322	0	0.4160	0.0955	0.0737	0.0218
3/4/2002	3/24/2002	4/25/2002	2622	20	0.9973	1.4993	1.474	0.4278	1	0.4103	0.0917	0.0664	0.0253
3/4/2002	3/24/2002	4/25/2002	2623	20	0.9954	1.4905	1.4657	0.4338	0	0.4176	0.0775	0.0527	0.0248
3/4/2002	3/24/2002	4/25/2002	2624	20	0.9964	1.4739	1.4557	0.4305	3	0.4099	0.0676	0.0494	0.0182
3/4/2002	3/24/2002	4/25/2002	2625	20	1.0002	1.5946	1.5264	0.4284	1	0.4109	0.1835	0.1153	0.0682

Table B2: Sediment trap data

Site 409													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/4/2002	**3/24/2002**	**4/25/2002**	**2626**	**20**	**1.0014**	**1.6102**	**1.5344**	**0.4314**	**1**	**0.4138**	**0.1950**	**0.1192**	**0.0758**
3/4/2002	**3/24/2002**	**4/25/2002**	**2627**	**20**	**0.9922**	**1.5243**	**1.4794**	**0.4336**	**0**	**0.4174**	**0.1147**	**0.0698**	**0.0449**
3/4/2002	**3/24/2002**	**4/25/2002**	**2628**	**20**	**0.9906**	**1.5222**	**1.4759**	**0.4331**	**0**	**0.4169**	**0.1147**	**0.0684**	**0.0463**
3/24/2002	4/26/2002	5/9/2002	2677	33	0.9659	6.0592	5.3357	0.4316	0	0.4155	4.6778	3.9543	0.7235
3/24/2002	4/26/2002	5/9/2002	2678	33	0.9668	4.4935	3.9768	0.4279	1	0.4104	3.1163	2.5996	0.5167
3/24/2002	4/26/2002	5/9/2002	2679	33	0.9618	4.4095	3.8377	0.4302	0	0.4141	3.0336	2.4618	0.5718
3/24/2002	4/26/2002	5/9/2002	2680	33	0.9670	3.5816	3.1756	0.4298	1	0.4122	2.2024	1.7964	0.4060
3/24/2002	4/26/2002	5/9/2002	2681	33	0.9691	1.5638	1.5276	0.4291	1	0.4115	0.1832	0.1470	0.0362
3/24/2002	4/26/2002	5/9/2002	2682	33	0.9669	1.6041	1.5198	0.4286	1	0.4111	0.2261	0.1418	0.0843
3/24/2002	4/26/2002	5/9/2002	2683	33	0.9695	1.5423	1.4927	0.4294	0	0.4133	0.1595	0.1099	0.0496
3/24/2002	4/26/2002	5/9/2002	2684	33	0.9685	1.5823	1.5365	0.4322	0	0.4160	0.1978	0.1520	0.0458
3/24/2002	4/26/2002	5/9/2002	2685	33	0.9687	1.5241	1.4629	0.4279	0	0.4119	0.1435	0.0823	0.0612
3/24/2002	4/26/2002	5/9/2002	2686	33	0.9647	1.8003	1.6313	0.4312	0	0.4151	0.4205	0.2515	0.1690
3/24/2002	4/26/2002	5/9/2002	2687	33	0.9628	1.4794	1.4269	0.4297	0	0.4136	0.1030	0.0505	0.0525
3/24/2002	4/26/2002	5/9/2002	2688	33	0.9620	1.5711	1.4868	0.4291	0	0.4131	0.1960	0.1117	0.0843
4/26/2002	5/31/2002	6/5/2002	2821	35	0.9516	1.5147	1.4425	0.423	0	0.4072	0.1559	0.0837	0.0722
4/26/2002	5/31/2002	6/5/2002	2822	35	0.9490	1.407	1.3871	0.4284	1	0.4109	0.0471	0.0272	0.0199
4/26/2002	5/31/2002	6/5/2002	2823	35	0.9491	1.4974	1.403	0.4276	0	0.4116	0.1367	0.0423	0.0944
4/26/2002	5/31/2002	6/5/2002	2824	35	0.9517	1.4668	1.405	0.4233	0	0.4075	0.1076	0.0458	0.0618
4/26/2002	5/31/2002	6/5/2002	2825	35	0.9511	1.5508	1.4426	0.4229	0	0.4071	0.1926	0.0844	0.1082
4/26/2002	5/31/2002	6/5/2002	2826	35	0.9538	1.5257	1.4364	0.4244	0	0.4085	0.1634	0.0741	0.0893
4/26/2002	5/31/2002	6/5/2002	2827	35	0.9549	1.6102	1.4958	0.4274	0	0.4114	0.2439	0.1295	0.1144
4/26/2002	5/31/2002	6/5/2002	2828	35	0.9511	1.4492	1.4177	0.4248	0	0.4089	0.0892	0.0577	0.0315
4/26/2002	5/31/2002	6/5/2002	2829	35	0.9503	1.8888	1.6327	0.4224	0	0.4066	0.5319	0.2758	0.2561
4/26/2002	5/31/2002	6/5/2002	2830	35	0.9440	2.8336	2.2677	0.4221	0	0.4063	1.4833	0.9174	0.5659
4/26/2002	5/31/2002	6/5/2002	2831	35	0.9423	1.7326	1.5522	0.4218	0	0.4060	0.3843	0.2039	0.1804
4/26/2002	5/31/2002	6/5/2002	2832	35	0.9441	1.9406	1.6766	0.4233	0	0.4075	0.5890	0.3250	0.2640
5/31/2002	7/12/2002	7/16/2002	2977	42	0.9701	2.3155	2.0193	0.4276	0	0.4116	0.9338	0.6376	0.2962
5/31/2002	7/12/2002	7/16/2002	2978	42	0.9771	2.0168	1.8069	0.4264	0	0.4105	0.6292	0.4193	0.2099
5/31/2002	7/12/2002	7/16/2002	2979	42	0.9778	2.5241	2.0821	0.4284	0	0.4124	1.1339	0.6919	0.4420
5/31/2002	7/12/2002	7/16/2002	2980	42	0.9753	2.2942	1.9332	0.4282	0	0.4122	0.9067	0.5457	0.3610
5/31/2002	7/12/2002	7/16/2002	2981	42	0.9740	1.9104	1.7035	0.4277	0	0.4117	0.5247	0.3178	0.2069
5/31/2002	7/12/2002	7/16/2002	2982	42	0.9741	1.8104	1.6426	0.4283	0	0.4123	0.4240	0.2562	0.1678
5/31/2002	7/12/2002	7/16/2002	2983	42	0.9727	1.7217	1.551	0.4269	2	0.4079	0.3411	0.1704	0.1707
5/31/2002	7/12/2002	7/16/2002	2984	42	0.9759	1.7543	1.551	0.4282	0	0.4122	0.3662	0.1629	0.2033
5/31/2002	7/12/2002	7/16/2002	2985	42	0.9759	1.5671	1.4733	0.4302	0	0.4141	0.1771	0.0833	0.0938
5/31/2002	7/12/2002	7/16/2002	2986	42	0.9772	2.713	2.1684	0.4302	0	0.4141	1.3217	0.7771	0.5446
5/31/2002	7/12/2002	7/16/2002	2987	42	0.9777	2.0481	1.7355	0.4326	0	0.4164	0.6540	0.3414	0.3126
5/31/2002	7/12/2002	7/16/2002	2988	42	0.9762	2.1829	1.8182	0.4303	0	0.4142	0.7925	0.4278	0.3647
7/12/2002	8/13/2002	8/15/2002	3121	32	0.9658	2.3668	1.7145	0.4239	12	0.3899	1.0111	0.3588	0.6523
7/12/2002	8/13/2002	8/15/2002	3122	32	0.9640	6.4381	4.4868	0.4244	0	0.4085	5.0656	3.1143	1.9513
7/12/2002	8/13/2002	8/15/2002	3123	32	0.9643	3.5224	2.6725	0.4273	0	0.4113	2.1468	1.2969	0.8499
7/12/2002	8/13/2002	8/15/2002	3124	32	0.9651	4.5609	3.083	0.4283	0	0.4123	3.1835	1.7056	1.4779
7/12/2002	8/13/2002	8/15/2002	3125	32	0.9689	1.5781	1.4912	0.4256	0	0.4097	0.1995	0.1126	0.0869
7/12/2002	8/13/2002	8/15/2002	3126	32	0.9692	1.6248	1.5165	0.4275	2	0.4085	0.2471	0.1388	0.1083
7/12/2002	8/13/2002	8/15/2002	3127	32	0.9890	1.5016	1.4495	0.4267	1	0.4092	0.1034	0.0513	0.0521
7/12/2002	8/13/2002	8/15/2002	3128	32	0.9889	1.5255	1.4559	0.4268	2	0.4078	0.1288	0.0592	0.0696
7/12/2002	8/13/2002	8/15/2002	3129	32	0.9882	1.5227	1.4516	0.4234	0	0.4076	0.1269	0.0558	0.0711
7/12/2002	8/13/2002	8/15/2002	3130	32	0.9903	1.5379	1.4631	0.4245	0	0.4086	0.1390	0.0642	0.0748
7/12/2002	8/13/2002	8/15/2002	3131	32	0.9885	1.5358	1.4773	0.4251	0	0.4092	0.1381	0.0796	0.0585
7/12/2002	8/13/2002	8/15/2002	3132	32	0.9767	1.4564	1.4188	0.424	0	0.4081	0.0716	0.0340	0.0376

Table B2: Sediment trap data

Site 412													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/2/2001	2/22/2001	3/6/2001	145	20	30.7998	32.4045	31.8414	0.3856	0	0.3712	1.2335	0.6704	0.5631
2/2/2001	2/22/2001	3/6/2001	146	20	31.9734	37.1434	34.8878	0.3757	0	0.3616	4.8084	2.5528	2.2556
2/2/2001	2/22/2001	3/6/2001	147	20	31.3988	31.8184	31.7838	0.377	0	0.3629	0.0567	0.0221	0.0346
2/2/2001	2/22/2001	3/6/2001	148	20	31.3948	32.4234	32.0472	0.3777	0	0.3636	0.6650	0.2888	0.3762
2/2/2001	2/22/2001	3/6/2001	149	20	30.6691	31.0309	31.0244	0.3746	0	0.3606	0.0012	-0.0053	0.0065
2/2/2001	2/22/2001	3/6/2001	150	20	29.6996	30.0667	30.0636	0.3958	0	0.3810	-0.0139	-0.0170	0.0031
2/2/2001	2/22/2001	3/6/2001	151	20	31.1354	31.511	31.5014	0.3872	0	0.3727	0.0029	-0.0067	0.0096
2/2/2001	2/22/2001	3/6/2001	152	20	30.1807	30.5308	30.5249	0.3908	0	0.3762	-0.0261	-0.0320	0.0059
2/2/2001	2/22/2001	3/6/2001	153	20	33.3748	35.2812	34.4005	0.3927	0	0.3780	1.5284	0.6477	0.8807
2/2/2001	2/22/2001	3/6/2001	154	20	31.4533	33.0354	32.1127	0.3922	0	0.3775	1.2046	0.2819	0.9227
2/2/2001	2/22/2001	3/6/2001	155	20	29.7666	31.7218	30.4974	0.3888	0	0.3743	1.5809	0.3565	1.2244
2/2/2001	2/22/2001	3/6/2001	156	20	28.9360	30.5715	29.5084	0.3925	0	0.3778	1.2577	0.1946	1.0631
2/22/2001	3/8/2001	3/21/2001	337	14	0.9930	1.6195	1.5145	0.3978	0	0.3829	0.2447	0.1413	0.1034
2/22/2001	3/8/2001	3/21/2001	338	14	2.5377	4.535	3.5513	0.3979	0	0.3830	1.6170	0.6374	0.9796
2/22/2001	3/8/2001	3/21/2001	339	14	0.9958	1.5311	1.4596	0.3942	0	0.3795	0.1569	0.0870	0.0699
2/22/2001	3/8/2001	3/21/2001	340	14	0.9972	1.439	1.4087	0.3978	0	0.3829	0.0600	0.0313	0.0287
2/22/2001	3/8/2001	3/21/2001	341	14	0.9958	1.3993	1.3834	0.3906	1	0.3745	0.0301	0.0158	0.0143
2/22/2001	3/8/2001	3/21/2001	342	14	0.9965	1.4032	1.3865	0.392	1	0.3758	0.0320	0.0169	0.0151
2/22/2001	3/8/2001	3/21/2001	343	14	0.9971	1.4361	1.4048	0.385	2	0.3676	0.0725	0.0428	0.0297
2/22/2001	3/8/2001	3/21/2001	344	14	0.9968	1.4145	1.3906	0.3885	1.5	0.3717	0.0471	0.0248	0.0223
2/22/2001	3/8/2001	3/21/2001	345	14	0.9960	1.3994	1.3812	0.3901	1	0.3740	0.0305	0.0139	0.0166
2/22/2001	3/8/2001	3/21/2001	346	14	0.9991	1.3915	1.3807	0.3922	1.5	0.3753	0.0182	0.0090	0.0092
2/22/2001	3/8/2001	3/21/2001	347	14	1.0035	1.3984	1.3854	0.393	6	0.3692	0.0268	0.0154	0.0114
2/22/2001	3/8/2001	3/21/2001	348	14	0.9942	1.4802	1.3886	0.3874	4	0.3669	0.1202	0.0302	0.0900
3/8/2001	**3/22/2001**	**5/3/2001**	**517**	**14**	**0.9953**	**1.4299**	**1.4078**	**0.3895**	**5**	**0.3674**	**0.0683**	**0.0478**	**0.0205**
3/8/2001	**3/22/2001**	**5/3/2001**	**518**	**14**	**0.9962**	**1.6221**	**1.5229**	**0.3869**	**10**	**0.3573**	**0.2697**	**0.1721**	**0.0976**
3/8/2001	**3/22/2001**	**5/3/2001**	**519**	**14**	**0.9977**	**1.5055**	**1.4589**	**0.3955**	**10**	**0.3656**	**0.1433**	**0.0983**	**0.0450**
3/8/2001	**3/22/2001**	**5/3/2001**	**520**	**14**	**0.9986**	**1.6399**	**1.5181**	**0.3811**	**4**	**0.3608**	**0.2816**	**0.1614**	**0.1202**
3/8/2001	**3/22/2001**	**5/3/2001**	**521**	**14**	**0.9965**	**1.4947**	**1.4478**	**0.3826**	**2**	**0.3653**	**0.1340**	**0.0887**	**0.0453**
3/8/2001	**3/22/2001**	**5/3/2001**	**522**	**14**	**1.0016**	**1.4913**	**1.4576**	**0.3865**	**0**	**0.3720**	**0.1187**	**0.0867**	**0.0321**
3/8/2001	**3/22/2001**	**5/3/2001**	**523**	**14**	**1.0013**	**1.4873**	**1.453**	**0.3902**	**0**	**0.3756**	**0.1115**	**0.0788**	**0.0327**
3/8/2001	**3/22/2001**	**5/3/2001**	**524**	**14**	**1.0020**	**1.4614**	**1.4382**	**0.3924**	**3**	**0.3732**	**0.0873**	**0.0657**	**0.0216**
3/8/2001	**3/22/2001**	**5/3/2001**	**525**	**14**	**1.0003**	**1.5161**	**1.4438**	**0.3813**	**1**	**0.3655**	**0.1514**	**0.0807**	**0.0707**
3/8/2001	**3/22/2001**	**5/3/2001**	**526**	**14**	**1.0017**	**1.4448**	**1.4235**	**0.3939**	**1**	**0.3777**	**0.0665**	**0.0468**	**0.0197**
3/8/2001	**3/22/2001**	**5/3/2001**	**527**	**14**	**1.0029**	**1.5023**	**1.4501**	**0.3886**	**0**	**0.3741**	**0.1264**	**0.0758**	**0.0506**
3/8/2001	**3/22/2001**	**5/3/2001**	**528**	**14**	**1.0019**	**1.4693**	**1.4377**	**0.3865**	**0**	**0.3720**	**0.0964**	**0.0665**	**0.0300**
3/22/2001	4/26/2001	5/21/2001	661	35	0.9811	1.5339	1.4201	0.3899		0.3753	0.1785	0.0663	0.1122
3/22/2001	4/26/2001	5/21/2001	662	35	0.9828	1.3766	1.3243	0.3805		0.3663	0.0286	-0.0221	0.0507
3/22/2001	4/26/2001	5/21/2001	663	35	0.9765	1.3349	1.2776	0.3774		0.3633	-0.0038	-0.0595	0.0557
3/22/2001	4/26/2001	5/21/2001	664	35	0.9789	1.7426	1.506	0.3784		0.3642	0.4005	0.1655	0.2350
3/22/2001	4/26/2001	5/21/2001	665	35	0.9796	1.2265	1.191	0.3811		0.3668	-0.1189	-0.1528	0.0339
3/22/2001	4/26/2001	5/21/2001	666	35	0.9827	1.2887	1.2341	0.3818		0.3675	-0.0605	-0.1135	0.0530
3/22/2001	4/26/2001	5/21/2001	667	35	0.9775	1.2427	1.2085	0.3813		0.3670	-0.1008	-0.1334	0.0326
3/22/2001	4/26/2001	5/21/2001	668	35	1.0184	NV	NV	0.3801		0.3659	NV	NV	NV
3/22/2001	4/26/2001	5/21/2001	669	35	0.9804	1.4926	1.3939	0.3814	1	0.3656	0.1476	0.0505	0.0971
3/22/2001	4/26/2001	5/21/2001	670	35	0.9816	1.6433	1.3942	0.3824	1	0.3666	0.2962	0.0487	0.2475
3/22/2001	4/26/2001	5/21/2001	671	35	0.9813	1.4765	1.3851	0.3792	0	0.3650	0.1312	0.0414	0.0898
3/22/2001	4/26/2001	5/21/2001	672	35	1.0158	1.5306	1.3621	0.3794		0.3652	0.1507	-0.0162	0.1669
4/26/2001	5/29/2001	6/22/2001	889	33	0.9949	2.101	1.7251	0.3901	1	0.3740	0.7332	0.3589	0.3743
4/26/2001	5/29/2001	6/22/2001	890	33	0.9947	1.4674	1.3558	0.3918	40	0.3167	0.1571	0.0471	0.1100
4/26/2001	5/29/2001	6/22/2001	891	33	0.9930	2.0873	1.6538	0.3929	0	0.3782	0.7172	0.2853	0.4319
4/26/2001	5/29/2001	6/22/2001	892	33	0.9975	1.7862	1.5007	0.3913	2	0.3736	0.4161	0.1323	0.2839
4/26/2001	5/29/2001	6/22/2001	893	33	0.9974	1.8167	1.5173	0.3977	7	0.3722	0.4481	0.1504	0.2978
4/26/2001	5/29/2001	6/22/2001	894	33	0.9935	1.9942	1.5387	0.3928	21	0.3464	0.6554	0.2015	0.4539
4/26/2001	5/29/2001	6/22/2001	895	33	0.9962	1.5539	1.3953	0.3903	23	0.3409	0.2179	0.0609	0.1570

Table B2: Sediment trap data

Site 412													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/26/2001	5/29/2001	6/22/2001	896	33	0.9984	1.5255	1.4063	0.3938	5	0.3715	0.1567	0.0391	0.1176
4/26/2001	5/29/2001	6/22/2001	897	33	0.9950	1.5302	1.397	0.3932	0	0.3785	0.1578	0.0262	0.1316
4/26/2001	5/29/2001	6/22/2001	898	33	0.9919	1.5193	1.4041	0.3918	0	0.3771	0.1513	0.0377	0.1136
4/26/2001	5/29/2001	6/22/2001	899	33	0.9959	1.7728	1.4753	0.3833	0	0.3690	0.4090	0.1131	0.2959
4/26/2001	5/29/2001	6/22/2001	900	33	0.9990	1.9897	1.6735	0.3878	0	0.3733	0.6185	0.3039	0.3146
5/29/2001	6/25/2001	7/17/2001	1081	27	0.9731	1.3679	1.3421	0.4067	6	0.3824	0.0134	-0.0108	0.0242
5/29/2001	6/25/2001	7/17/2001	1082	27	0.9750	1.3946	1.3584	0.4026	10	0.3724	0.0482	0.0136	0.0346
5/29/2001	6/25/2001	7/17/2001	1083	27	0.9762	1.5964	1.4475	0.4032	22	0.3548	0.2664	0.1191	0.1473
5/29/2001	6/25/2001	7/17/2001	1084	27	0.9696	2.3488	1.82	0.3898	8	0.3631	1.0171	0.4899	0.5272
5/29/2001	6/25/2001	7/17/2001	1085	27	0.9770	1.6242	1.4569	0.4024	8	0.3753	0.2730	0.1073	0.1657
5/29/2001	6/25/2001	7/17/2001	1086	27	0.9761	1.5727	1.4308	0.3845	15	0.3474	0.2502	0.1099	0.1403
5/29/2001	6/25/2001	7/17/2001	1087	27	0.9746	1.7023	1.4546	0.4009	0	0.3859	0.3429	0.0967	0.2461
5/29/2001	6/25/2001	7/17/2001	1088	27	0.9710	1.5287	1.3987	0.3923	0	0.3776	0.1811	0.0527	0.1284
5/29/2001	6/25/2001	7/17/2001	1089	27	0.9736	1.5558	1.3935	0.3942	9	0.3658	0.2174	0.0567	0.1607
5/29/2001	6/25/2001	7/17/2001	1090	27	0.9764	1.4191	1.3266	0.3887	22	0.3409	0.1029	0.0119	0.0909
5/29/2001	6/25/2001	7/17/2001	1091	27	0.9724	1.4827	1.3729	0.3956	1	0.3793	0.1321	0.0238	0.1082
5/29/2001	6/25/2001	7/17/2001	1092	27	0.9743	1.5502	1.3884	0.3991	1	0.3827	0.1943	0.0341	0.1602
6/25/2001	8/1/2001	8/3/2001	1165	37	0.9827	1.3469	1.3068	0.4181	55	0.3193	0.0460	0.0075	0.0385
6/25/2001	8/1/2001	8/3/2001	1166	37	0.9830	1.5127	1.4138	0.418	3	0.3978	0.1329	0.0356	0.0973
6/25/2001	8/1/2001	8/3/2001	1167	37	0.9831	1.8503	1.5183	0.4148	3	0.3947	0.4735	0.1431	0.3304
6/25/2001	8/1/2001	8/3/2001	1168	37	0.9809	0.16919	1.5033	0.4174	4	0.3957	-1.2064	0.1293	-1.3357
6/25/2001	8/1/2001	8/3/2001	1169	37	0.9765	1.5929	1.4123	0.4175	1	0.4004	0.2171	0.0381	0.1790
6/25/2001	8/1/2001	8/3/2001	1170	37	0.9817	2.0517	1.645	0.4224	0	0.4066	0.6645	0.2593	0.4051
6/25/2001	8/1/2001	8/3/2001	1171	37	NV	NV	NV	NV		NV	NV	NV	NV
6/25/2001	8/1/2001	8/3/2001	1172	37	NV	NV	NV	NV		NV	NV	NV	NV
6/25/2001	8/1/2001	8/3/2001	1173	37	0.9805	1.3721	1.3191	0.4117	35	0.3434	0.0493	-0.0021	0.0514
6/25/2001	8/1/2001	8/3/2001	1174	37	0.9806	1.3406	1.3119	0.4198	45	0.3360	0.0250	-0.0021	0.0271
6/25/2001	8/1/2001	8/3/2001	1175	37	0.9806	1.3944	1.3382	0.4201	15	0.3817	0.0332	-0.0215	0.0546
6/25/2001	8/1/2001	8/3/2001	1176	37	0.9799	1.5298	1.4143	0.4181	2	0.3994	0.1515	0.0376	0.1139
8/1/2001	9/7/2001	9/17/2001	1417	37	0.9753	1.5468	1.4198	0.4032	1	0.3866	0.1860	0.0605	0.1254
8/1/2001	9/7/2001	9/17/2001	1418	37	0.9748	1.4582	1.3894	0.4059	0	0.3907	0.0937	0.0265	0.0672
8/1/2001	9/7/2001	9/17/2001	1419	37	0.9716	1.8856	1.5646	0.4034	0	0.3883	0.5267	0.2073	0.3194
8/1/2001	9/7/2001	9/17/2001	1420	37	0.9742	1.6765	1.48	0.4024	0	0.3874	0.3160	0.1211	0.1949
8/1/2001	9/7/2001	9/17/2001	1421	37	0.9769	1.4608	1.3777	0.4042	0	0.3891	0.0959	0.0144	0.0815
8/1/2001	9/7/2001	9/17/2001	1422	37	0.9774	1.832	1.5289	0.4039	0	0.3888	0.4669	0.1653	0.3015
8/1/2001	9/7/2001	9/17/2001	1423	37	0.9884	1.7938	1.555	0.4028	0	0.3877	0.4187	0.1815	0.2372
8/1/2001	9/7/2001	9/17/2001	1424	37	0.9935	1.7292	1.5269	0.4038	0	0.3887	0.3481	0.1474	0.2007
8/1/2001	9/7/2001	9/17/2001	1425	37	NV	NV	NV	0.4019	0	0.3869	NV	NV	NV
8/1/2001	9/7/2001	9/17/2001	1426	37	NV	NV	NV	0.4004	0	0.3854	NV	NV	NV
8/1/2001	9/7/2001	9/17/2001	1427	37	NV	NV	NV	0.3991	0	0.3842	NV	NV	NV
8/1/2001	9/7/2001	9/17/2001	1428	37	NV	NV	NV	0.4026	0	0.3875	NV	NV	NV
9/7/2001	10/8/2001	12/5/2001	1561	31	0.9806	1.5869	1.4972	0.4171	0	0.4015	0.2059	0.1177	0.0881
9/7/2001	10/8/2001	12/5/2001	1562	31	0.9869	1.5388	1.4688	0.4195	0	0.4038	0.1492	0.0808	0.0684
9/7/2001	10/8/2001	12/5/2001	1563	31	0.9822	1.7206	1.5324	0.4188	0	0.4031	0.3363	0.1497	0.1866
9/7/2001	10/8/2001	12/5/2001	1564	31	0.9836	1.7011	1.5253	0.4181	0	0.4025	0.3161	0.1419	0.1742
9/7/2001	10/8/2001	12/5/2001	1565	31	0.9825	1.713	1.5079	0.4225	0	0.4067	0.3249	0.1214	0.2035
9/7/2001	10/8/2001	12/5/2001	1566	31	0.9876	1.5631	1.4737	0.4239	0	0.4080	0.1685	0.0807	0.0878
9/7/2001	10/8/2001	12/5/2001	1567	31	0.9881	1.5956	1.4842	0.4223	0	0.4065	0.2021	0.0923	0.1098
9/7/2001	10/8/2001	12/5/2001	1568	31	0.9800	1.5917	1.4797	0.4224	0	0.4066	0.2062	0.0957	0.1104
9/7/2001	10/8/2001	12/5/2001	1569	31	0.9814	1.4466	1.3982	0.4241	0	0.4082	0.0580	0.0112	0.0468
9/7/2001	10/8/2001	12/5/2001	1570	31	0.9768	1.4767	1.396	0.4171	2	0.3985	0.1025	0.0234	0.0791
9/7/2001	10/8/2001	12/5/2001	1571	31	0.9770	2.168	1.8326	0.4209	0	0.4052	0.7869	0.4531	0.3338
9/7/2001	10/8/2001	12/5/2001	1572	31	0.9760	1.5032	1.4307	0.4224	0	0.4066	0.1217	0.0507	0.0709
10/8/2001	11/1/2001	1/5/2001	1729	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1730	24	NV	NV	NV	NV	NV	NV	NV	NV	NV

Table B2: Sediment trap data

Site 412													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/5/2001	1731	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1732	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1733	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1734	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1735	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1736	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1737	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1738	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1739	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
10/8/2001	11/1/2001	1/5/2001	1740	24	NV	NV	NV	NV	NV	NV	NV	NV	NV
1/22/2002	2/5/2002	3/12/2002	2137	14	0.9725	1.814	1.5894	0.4009	0	0.3859	0.4556	0.2310	0.2246
1/22/2002	2/5/2002	3/12/2002	2138	14	0.9646	1.4051	1.3795	0.3983	0	0.3834	0.0571	0.0315	0.0256
1/22/2002	2/5/2002	3/12/2002	2139	14	0.9679	1.5466	1.4565	0.396	1	0.3797	0.1990	0.1089	0.0901
1/22/2002	2/5/2002	3/12/2002	2140	14	0.9697	1.5385	1.4027	0.3982	0	0.3833	0.1855	0.0497	0.1358
1/22/2002	2/5/2002	3/12/2002	2141	14	0.9675	1.4445	1.3959	0.3979	0	0.3830	0.0940	0.0454	0.0486
1/22/2002	2/5/2002	3/12/2002	2142	14	0.9707	1.3918	1.3721	0.3935	0	0.3788	0.0423	0.0226	0.0197
1/22/2002	2/5/2002	3/12/2002	2143	14	0.9698	1.4213	1.3887	0.398	0	0.3831	0.0684	0.0358	0.0326
1/22/2002	2/5/2002	3/12/2002	2144	14	0.9720	1.4055	1.3829	0.3965	0	0.3817	0.0518	0.0292	0.0226
1/22/2002	2/5/2002	3/12/2002	2145	14	0.9719	1.3761	1.3662	0.3981	0	0.3832	0.0210	0.0111	0.0099
1/22/2002	2/5/2002	3/12/2002	2146	14	0.9757	1.386	1.3742	0.3963	0	0.3815	0.0288	0.0170	0.0118
1/22/2002	2/5/2002	3/12/2002	2147	14	0.9755	1.3868	1.3743	0.3958	0	0.3810	0.0303	0.0178	0.0125
1/22/2002	2/5/2002	3/12/2002	2148	14	0.9715	1.4042	1.3738	0.3897	0	0.3751	0.0576	0.0272	0.0304
2/5/2002	2/18/2002	3/7/2002	2317	13	0.9864	1.8997	1.6778	0.4228	2	0.4040	0.5093	0.2874	0.2219
2/5/2002	2/18/2002	3/7/2002	2318	13	0.9799	2.3793	1.953	0.422	0	0.4062	0.9932	0.5669	0.4263
2/5/2002	2/18/2002	3/7/2002	2319	13	0.9760	2.4478	2.029	0.4222	0	0.4064	1.0654	0.6466	0.4188
2/5/2002	2/18/2002	3/7/2002	2320	13	0.9811	2.7761	2.2136	0.424	1	0.4066	1.3884	0.8259	0.5625
2/5/2002	2/18/2002	3/7/2002	2321	13	0.9774	2.8123	2.0637	0.4255	5	0.4020	1.4329	0.6843	0.7486
2/5/2002	2/18/2002	3/7/2002	2322	13	0.9770	2.096	1.7165	0.4238	0	0.4080	0.7110	0.3315	0.3795
2/5/2002	2/18/2002	3/7/2002	2323	13	0.9837	3.0483	2.174	0.4243	0	0.4084	1.6562	0.7819	0.8743
2/5/2002	2/18/2002	3/7/2002	2324	13	0.9806	2.2899	1.8287	0.4309	0	0.4148	0.8945	0.4333	0.4612
2/5/2002	2/18/2002	3/7/2002	2325	13	0.9778	1.4836	1.4388	0.4333	0	0.4171	0.0887	0.0439	0.0448
2/5/2002	2/18/2002	3/7/2002	2326	13	0.9816	1.5975	1.4907	0.4296	0	0.4135	0.2024	0.0956	0.1068
2/5/2002	2/18/2002	3/7/2002	2327	13	0.9839	1.4527	1.4301	0.4347	0	0.4184	0.0504	0.0278	0.0226
2/5/2002	2/18/2002	3/7/2002	2328	13	0.9787	1.6967	1.5606	0.4324	0	0.4162	0.3018	0.1657	0.1361
2/18/2002	3/3/2002	3/27/2002	2449	13	0.9870	1.5448	1.4865	0.4299	0	0.4138	0.1440	0.0857	0.0583
2/18/2002	3/3/2002	3/27/2002	2450	13	0.9838	1.4756	1.448	0.4289	0	0.4129	0.0789	0.0513	0.0276
2/18/2002	3/3/2002	3/27/2002	2451	13	0.9775	2.3925	1.9045	0.4342	0	0.4180	0.9970	0.5090	0.4880
2/18/2002	3/3/2002	3/27/2002	2452	13	0.9752	1.551	1.4743	0.433	0	0.4168	0.1590	0.0823	0.0767
2/18/2002	3/3/2002	3/27/2002	2453	13	0.9785	1.4386	1.4168	0.4325	0	0.4163	0.0438	0.0220	0.0218
2/18/2002	3/3/2002	3/27/2002	2454	13	0.9835	1.4368	1.4228	0.4345	0	0.4183	0.0350	0.0210	0.0140
2/18/2002	3/3/2002	3/27/2002	2455	13	0.9858	2.7228	2.057	0.4355	0	0.4192	1.3178	0.6520	0.6658
2/18/2002	3/3/2002	3/27/2002	2456	13	0.9842	4.0807	2.6855	0.4325	0	0.4163	2.6802	1.2850	1.3952
2/18/2002	3/3/2002	3/27/2002	2457	13	0.9819	1.4154	1.4082	0.4338	0	0.4176	0.0159	0.0087	0.0072
2/18/2002	3/3/2002	3/27/2002	2458	13	0.9814	1.4171	1.4094	0.435	0	0.4187	0.0170	0.0093	0.0077
2/18/2002	3/3/2002	3/27/2002	2459	13	0.9822	1.383	1.3789	0.4269	0	0.4109	-0.0101	-0.0142	0.0041
2/18/2002	3/3/2002	3/27/2002	2460	13	0.9848	1.4141	1.3951	0.4305	0	0.4144	0.0149	-0.0041	0.0190
3/3/2002	3/25/2002	5/2/2002	2521	22	0.9765	4.6113	2.7109	0.4275	2	0.4085	3.2263	1.3259	1.9004
3/3/2002	3/25/2002	5/2/2002	2522	22	0.9742	2.8428	2.0045	0.4248	0	0.4089	1.4597	0.6214	0.8383
3/3/2002	3/25/2002	5/2/2002	2523	22	0.9706	8.1327	4.2698	0.4274	0	0.4114	6.7507	2.8878	3.8629
3/3/2002	3/25/2002	5/2/2002	2524	22	0.9755	5.8685	3.141	0.4262	1	0.4087	4.4843	1.7568	2.7275
3/3/2002	3/25/2002	5/2/2002	2525	22	0.9703	2.9957	2.051	0.4259	0	0.4100	1.6154	0.6707	0.9447
3/3/2002	3/25/2002	5/2/2002	2526	22	0.9693	1.9343	1.5543	0.425	3	0.4046	0.5604	0.1804	0.3800
3/3/2002	3/25/2002	5/2/2002	2527	22	0.9706	2.4942	1.8734	0.4264	0	0.4105	1.1131	0.4923	0.6208
3/3/2002	3/25/2002	5/2/2002	2528	22	0.9729	3.4562	2.4144	0.4271	2	0.4081	2.0752	1.0334	1.0418
3/3/2002	3/25/2002	5/2/2002	2529	22	0.9715	1.5578	1.4743	0.4276	1	0.4101	0.1762	0.0927	0.0835

Table B2: Sediment trap data

Site 412													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/3/2002	**3/25/2002**	**5/2/2002**	**2530**	**22**	**0.9740**	**1.4855**	**1.4487**	**0.4273**	**1**	**0.4098**	**0.1017**	**0.0649**	**0.0368**
3/3/2002	**3/25/2002**	**5/2/2002**	**2531**	**22**	**0.9722**	**1.5316**	**1.4814**	**0.4282**	**1**	**0.4107**	**0.1487**	**0.0985**	**0.0502**
3/3/2002	**3/25/2002**	**5/2/2002**	**2532**	**22**	**0.9725**	**1.8796**	**1.6457**	**0.4289**	**5**	**0.4053**	**0.5018**	**0.2679**	**0.2339**
3/25/2002	5/8/2002	5/21/2002	2737	44	0.9336	1.5928	1.4681	0.4272	0	0.4112	0.2480	0.1233	0.1247
3/25/2002	5/8/2002	5/21/2002	2738	44	0.9363	1.6853	1.4532	0.4274	0	0.4114	0.3376	0.1055	0.2321
3/25/2002	5/8/2002	5/21/2002	2739	44	0.9324	4.3624	2.6002	0.4279	0	0.4119	3.0181	1.2559	1.7622
3/25/2002	5/8/2002	5/21/2002	2740	44	0.9325	2.6497	1.866	0.4274	2	0.4084	1.3088	0.5251	0.7837
3/25/2002	5/8/2002	5/21/2002	2741	44	0.9340	5.8415	3.0245	0.4293	2	0.4102	4.4973	1.6803	2.8170
3/25/2002	5/8/2002	5/21/2002	2742	44	0.9363	3.1854	2.1773	0.4305	0	0.4144	1.8347	0.8266	1.0081
3/25/2002	5/8/2002	5/21/2002	2743	44	0.9316	2.9253	2.2181	0.4321	2	0.4129	1.5808	0.8736	0.7072
3/25/2002	5/8/2002	5/21/2002	2744	44	0.9360	2.585	1.8237	0.4269	0	0.4109	1.2381	0.4768	0.7613
3/25/2002	5/8/2002	5/21/2002	2745	44	0.9381	1.5368	1.4186	0.4284	0	0.4124	0.1863	0.0681	0.1182
3/25/2002	5/8/2002	5/21/2002	2746	44	0.9361	1.7596	1.5112	0.4308	2	0.4117	0.4118	0.1634	0.2484
3/25/2002	5/8/2002	5/21/2002	2747	44	0.9384	1.9827	1.6756	0.4288	2	0.4097	0.6346	0.3275	0.3071
3/25/2002	5/8/2002	5/21/2002	2748	44	0.9350	4.0751	2.8796	0.4307	6	0.4055	2.7346	1.5391	1.1955
5/8/2002	6/12/2002	6/18/2002	2917	35	0.9742	1.4773	1.424	0.432	1	0.4143	0.0888	0.0355	0.0533
5/8/2002	6/12/2002	6/18/2002	2918	35	0.9754	1.5437	1.4483	0.4276	2	0.4086	0.1597	0.0643	0.0954
5/8/2002	6/12/2002	6/18/2002	2919	35	0.9766	1.4867	1.42	0.4251	0	0.4092	0.1009	0.0342	0.0667
5/8/2002	6/12/2002	6/18/2002	2920	35	0.9774	1.4789	1.4141	0.4258	2	0.4069	0.0946	0.0298	0.0648
5/8/2002	6/12/2002	6/18/2002	2921	35	0.9783	1.8668	1.5969	0.4259	20	0.3797	0.5088	0.2389	0.2699
5/8/2002	6/12/2002	6/18/2002	2922	35	0.9828	1.5678	1.4295	0.4301	45	0.3460	0.2390	0.1007	0.1383
5/8/2002	6/12/2002	6/18/2002	2923	35	0.9865	1.562	1.4534	0.4316	0	0.4155	0.1600	0.0514	0.1086
5/8/2002	6/12/2002	6/18/2002	2924	35	0.9834	1.6503	1.4869	0.4275	1	0.4100	0.2569	0.0935	0.1634
5/8/2002	6/12/2002	6/18/2002	2925	35	0.9790	1.5805	1.42	0.4276	4	0.4056	0.1959	0.0354	0.1605
5/8/2002	6/12/2002	6/18/2002	2926	35	0.9789	1.5421	1.421	0.4293	2	0.4102	0.1530	0.0319	0.1211
5/8/2002	6/12/2002	6/18/2002	2927	35	0.9815	1.4791	1.398	0.4303	3	0.4097	0.0879	0.0068	0.0811
5/8/2002	6/12/2002	6/18/2002	2928	35	0.9873	1.4473	1.3945	0.4269	6	0.4019	0.0581	0.0053	0.0528
6/12/2002	7/16/2002	7/31/2002	3049	34	0.9591	1.6103	1.3887	0.4301	18	0.3868	0.2644	0.0428	0.2216
6/12/2002	7/16/2002	7/31/2002	3050	34	0.9608	1.4976	1.4131	0.4311	6	0.4059	0.1309	0.0464	0.0845
6/12/2002	7/16/2002	7/31/2002	3051	34	0.9587	1.5892	1.4117	0.4287	3	0.4081	0.2224	0.0449	0.1775
6/12/2002	7/16/2002	7/31/2002	3052	34	0.9571	1.4684	1.3852	0.428	5	0.4044	0.1069	0.0237	0.0832
6/12/2002	7/16/2002	7/31/2002	3053	34	0.9564	1.6075	1.4547	0.4309	0	0.4148	0.2363	0.0835	0.1528
6/12/2002	7/16/2002	7/31/2002	3054	34	0.9617	1.5133	1.4175	0.4297	0	0.4136	0.1380	0.0422	0.0958
6/12/2002	7/16/2002	7/31/2002	3055	34	0.9573	1.6561	1.4885	0.4278	0	0.4118	0.2870	0.1194	0.1676
6/12/2002	7/16/2002	7/31/2002	3056	34	0.9581	1.5999	1.4505	0.4307	0	0.4146	0.2272	0.0778	0.1494
6/12/2002	7/16/2002	7/31/2002	3057	34	0.9560	1.4694	1.3878	0.43	0	0.4139	0.0995	0.0179	0.0816
6/12/2002	7/16/2002	7/31/2002	3058	34	0.9589	1.429	1.3768	0.4283	0	0.4123	0.0578	0.0056	0.0522
6/12/2002	7/16/2002	7/31/2002	3059	34	0.9567	1.6656	1.457	0.4303	0	0.4142	0.2947	0.0861	0.2086
6/12/2002	7/16/2002	7/31/2002	3060	34	0.9572	1.6561	1.4542	0.4299	2	0.4108	0.2881	0.0862	0.2019
7/16/2002	8/9/2002	8/13/2002	3217	24	0.9738	1.4643	1.403	0.4255	0	0.4096	0.0809	0.0196	0.0613
7/16/2002	8/9/2002	8/13/2002	3218	24	0.9761	1.4667	1.4091	0.4285	0	0.4125	0.0781	0.0205	0.0576
7/16/2002	8/9/2002	8/13/2002	3219	24	0.9783	1.4027	1.3862	0.4281	2	0.4091	0.0153	-0.0012	0.0165
7/16/2002	8/9/2002	8/13/2002	3220	24	0.9763	1.4339	1.3975	0.4281	1	0.4106	0.0470	0.0106	0.0364
7/16/2002	8/9/2002	8/13/2002	3221	24	0.9781	1.4092	1.384	0.4243	0	0.4084	0.0227	-0.0025	0.0252
7/16/2002	8/9/2002	8/13/2002	3222	24	0.9758	1.4142	1.3814	0.4273	1	0.4098	0.0286	-0.0042	0.0328
7/16/2002	8/9/2002	8/13/2002	3223	24	0.9687	1.4921	1.4225	0.4247	0	0.4088	0.1146	0.0450	0.0696
7/16/2002	8/9/2002	8/13/2002	3224	24	0.9654	1.4801	1.4177	0.4306	0	0.4145	0.1002	0.0378	0.0624
7/16/2002	8/9/2002	8/13/2002	3225	24	0.9720	1.4898	1.4097	0.4305	4	0.4084	0.1094	0.0293	0.0801
7/16/2002	8/9/2002	8/13/2002	3226	24	0.9724	1.4166	1.389	0.4275	0	0.4115	0.0327	0.0051	0.0276
7/16/2002	8/9/2002	8/13/2002	3227	24	0.9705	1.463	1.3953	0.4229	0	0.4071	0.0854	0.0177	0.0677
7/16/2002	8/9/2002	8/13/2002	3228	24	0.9729	1.5056	1.398	0.4216	0	0.4058	0.1269	0.0193	0.1076

Table B2: Sediment trap data

Site 413													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/2/2001	2/23/2001	3/8/2001	169	21	30.9958	31.8706	31.4527	0.3919	0	0.3772	0.4976	0.0797	0.4179
2/2/2001	2/23/2001	3/8/2001	170	21	29.7019	30.232	30.0988	0.3863	0	0.3719	0.1582	0.0250	0.1332
2/2/2001	2/23/2001	3/8/2001	171	21	28.9600	29.3494	29.333	0.388	0	0.3735	0.0159	-0.0005	0.0164
2/2/2001	2/23/2001	3/8/2001	172	21	30.1805	30.6336	30.5620	0.3967	0	0.3819	0.0712	-0.0004	0.0716
2/2/2001	2/23/2001	3/8/2001	173	21	31.3989	35.495	32.9043	0.3945	0	0.3797	3.7164	1.1257	2.5907
2/2/2001	2/23/2001	3/8/2001	174	21	30.8984	34.7251	32.2994	0.3888	0	0.3743	3.4524	1.0267	2.4257
2/2/2001	2/23/2001	3/8/2001	175	21	31.1353	31.5945	31.5092	0.385	0	0.3706	0.0886	0.0033	0.0853
2/2/2001	2/23/2001	3/8/2001	176	21	31.4533	31.8588	31.8373	0.3964	0	0.3816	0.0239	0.0024	0.0215
2/2/2001	2/23/2001	3/8/2001	177	21	30.6689	31.0986	31.0544	0.3941	0	0.3794	0.0503	0.0061	0.0442
2/2/2001	2/23/2001	3/8/2001	178	21	30.0224	30.4252	30.4024	0.3901	0	0.3755	0.0273	0.0045	0.0228
2/2/2001	2/23/2001	3/8/2001	179	21	29.3653	29.8389	29.7397	0.3858	0	0.3714	0.1022	0.0030	0.0992
2/2/2001	2/23/2001	3/8/2001	180	21	31.5243	31.9271	31.8952	0.3841	0	0.3697	0.0331	0.0012	0.0319
2/23/2001	3/8/2001	3/21/2001	373	13	0.9993	1.3674	1.3619	0.3871	2.5	0.3688	0.0003	-0.0035	0.0039
2/23/2001	3/8/2001	3/21/2001	374	13	0.9964	1.3794	1.3631	0.3887	12	0.3560	0.0281	0.0134	0.0147
2/23/2001	3/8/2001	3/21/2001	375	13	0.9960	1.3752	1.366	0.3886	5	0.3665	0.0138	0.0062	0.0076
2/23/2001	3/8/2001	3/21/2001	376	13	0.9991	1.3702	1.3666	0.3888	5	0.3667	0.0055	0.0035	0.0020
2/23/2001	3/8/2001	3/21/2001	377	13	2.5457	8.566	6.3356	0.3901	0	0.3755	5.6476	3.4213	2.2263
2/23/2001	3/8/2001	3/21/2001	378	13	2.5183	8.2534	6.2575	0.3938	4	0.3730	5.3648	3.3730	1.9918
2/23/2001	3/8/2001	3/21/2001	379	13	1.0007	1.3833	1.3747	0.3977	1	0.3813	0.0024	-0.0046	0.0070
2/23/2001	3/8/2001	3/21/2001	380	13	0.9948	1.4146	1.3813	0.3957	3	0.3764	0.0445	0.0128	0.0317
2/23/2001	3/8/2001	3/21/2001	381	13	0.9958	1.3671	1.3644	0.3962	1.5	0.3791	-0.0067	-0.0078	0.0011
2/23/2001	3/8/2001	3/21/2001	382	13	0.9958	1.3678	1.3647	0.402	5	0.3794	-0.0063	-0.0078	0.0015
2/23/2001	3/8/2001	3/21/2001	383	13	0.9976	1.3741	1.3701	0.3985	7	0.3730	0.0046	0.0022	0.0024
2/23/2001	3/8/2001	3/21/2001	384	13	0.9959	1.3749	1.3662	0.3939	11	0.3625	0.0176	0.0105	0.0071
3/8/2001	**3/23/2001**	**5/1/2001**	**481**	**15**	**28.8865**	**29.3031**	**29.2833**	**0.3825**	**4**	**0.3621**	**0.0545**	**0.0347**	**0.0198**
3/8/2001	**3/23/2001**	**5/1/2001**	**482**	**15**	**30.5230**	**30.9561**	**30.9252**	**0.3735**	**3**	**0.3550**	**0.0781**	**0.0472**	**0.0309**
3/8/2001	**3/23/2001**	**5/1/2001**	**483**	**15**	**30.3440**	**30.8366**	**30.7691**	**0.3878**	**3**	**0.3688**	**0.1238**	**0.0563**	**0.0675**
3/8/2001	**3/23/2001**	**5/1/2001**	**484**	**15**	**31.1799**	**31.6276**	**31.5956**	**0.3844**	**0**	**0.3700**	**0.0777**	**0.0457**	**0.0320**
3/8/2001	**3/23/2001**	**5/1/2001**	**485**	**15**	**29.8967**	**33.4139**	**30.6995**	**0.3838**		**0.3694**	**3.1478**	**0.4334**	**2.7144**
3/8/2001	**3/23/2001**	**5/1/2001**	**486**	**15**	**31.3918**	**35.1632**	**32.1161**	**0.3773**		**0.3632**	**3.4082**	**0.3611**	**3.0471**
3/8/2001	**3/23/2001**	**5/1/2001**	**487**	**15**	**31.3898**	**31.8137**	**31.7897**	**0.3854**	**2**	**0.3680**	**0.0559**	**0.0319**	**0.0240**
3/8/2001	**3/23/2001**	**5/1/2001**	**488**	**15**	**30.0058**	**30.4414**	**30.4108**	**0.3867**	**6**	**0.3632**	**0.0724**	**0.0418**	**0.0306**
3/8/2001	**3/23/2001**	**5/1/2001**	**489**	**15**	**31.9732**	**32.3821**	**32.3681**	**0.3855**	**9**	**0.3575**	**0.0514**	**0.0374**	**0.0140**
3/8/2001	**3/23/2001**	**5/1/2001**	**490**	**15**	**31.8326**	**32.2434**	**32.2246**	**0.3805**	**1**	**0.3648**	**0.0460**	**0.0272**	**0.0188**
3/8/2001	**3/23/2001**	**5/1/2001**	**491**	**15**	**32.0327**	**32.426**	**32.4103**	**0.3743**	**12**	**0.3422**	**0.0511**	**0.0354**	**0.0157**
3/8/2001	**3/23/2001**	**5/1/2001**	**492**	**15**	**30.1805**	**30.6027**	**30.5783**	**0.3803**	**6**	**0.3570**	**0.0652**	**0.0408**	**0.0244**
3/23/2001	4/27/2001	5/23/2001	697	35	0.9751	1.3612	1.3374	0.3822	0	0.3679	0.0193	-0.0030	0.0222
3/23/2001	4/27/2001	5/23/2001	698	35	0.9737	1.3975	1.3505	0.3855	1	0.3696	0.0553	0.0099	0.0454
3/23/2001	4/27/2001	5/23/2001	699	35	0.9717	1.3716	1.3344	0.3799	0	0.3657	0.0353	-0.0004	0.0356
3/23/2001	4/27/2001	5/23/2001	700	35	0.9759	1.3647	1.3421	0.3796	2	0.3624	0.0275	0.0065	0.0210
3/23/2001	4/27/2001	5/23/2001	701	35	NV	NV	NV	0.3817		0.3674	NV	NV	NV
3/23/2001	4/27/2001	5/23/2001	702	35	NV	NV	NV	0.3838		0.3694	NV	NV	NV
3/23/2001	4/27/2001	5/23/2001	703	35	0.9752	1.5136	1.3814	0.3888	1	0.3727	0.1667	0.0361	0.1306
3/23/2001	4/27/2001	5/23/2001	704	35	0.9759	1.4095	1.3558	0.3832	1.5	0.3666	0.0681	0.0159	0.0521
3/23/2001	4/27/2001	5/23/2001	705	35	0.9737	1.363	1.3426	0.3879	6	0.3643	0.0260	0.0072	0.0188
3/23/2001	4/27/2001	5/23/2001	706	35	0.9740	1.3581	1.3394	0.3836	1	0.3677	0.0174	0.0003	0.0171
3/23/2001	4/27/2001	5/23/2001	707	35	0.9749	1.3686	1.3455	0.3852	5	0.3632	0.0315	0.0100	0.0215
3/23/2001	4/27/2001	5/23/2001	708	35	0.9727	1.4334	1.4172	0.458	3	0.4363	0.0254	0.0108	0.0146
4/27/2001	5/28/2001	6/22/2001	913	31	0.9933	1.4148	1.378	0.3977	8	0.3707	0.0519	0.0167	0.0352
4/27/2001	5/28/2001	6/22/2001	914	31	0.9933	1.4363	1.3901	0.3993	4	0.3783	0.0658	0.0212	0.0446
4/27/2001	5/28/2001	6/22/2001	915	31	0.9933	1.5335	1.4044	0.4035	1	0.3869	0.1544	0.0269	0.1275
4/27/2001	5/28/2001	6/22/2001	916	31	0.9924	1.4242	1.3863	0.3981	1	0.3817	0.0512	0.0149	0.0363
4/27/2001	5/28/2001	6/22/2001	917	31	1.0030	2.0328	1.5658	0.3942	0	0.3795	0.6514	0.1861	0.4654
4/27/2001	5/28/2001	6/22/2001	918	31	0.9884	2.4974	1.7006	0.3946	0	0.3798	1.1302	0.3350	0.7952
4/27/2001	5/28/2001	6/22/2001	919	31	0.9941	1.4716	1.3836	0.3817	9	0.3538	0.1248	0.0384	0.0864

Table B2: Sediment trap data

Site 413													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/27/2001	5/28/2001	6/22/2001	920	31	0.9958	1.4397	1.3839	0.3938	0	0.3791	0.0659	0.0117	0.0542
4/27/2001	5/28/2001	6/22/2001	921	31	0.9959	1.5727	1.4347	0.3942	0	0.3795	0.1984	0.0620	0.1364
4/27/2001	5/28/2001	6/22/2001	922	31	0.9947	1.4509	1.3851	0.394	1	0.3778	0.0795	0.0153	0.0642
4/27/2001	5/28/2001	6/22/2001	923	31	0.9972	1.4054	1.3726	0.3935	8	0.3667	0.0426	0.0114	0.0312
4/27/2001	5/28/2001	6/22/2001	924	31	0.9945	1.3948	1.3708	0.3914	3	0.3722	0.0292	0.0068	0.0224
5/28/2001	6/26/2001	7/12/2001	1057	29	0.9829	1.3286	1.3108	0.3874	43	0.3079	0.0389	0.0227	0.0162
5/28/2001	6/26/2001	7/12/2001	1058	29	0.9770	1.3504	1.3301	0.3848	6	0.3613	0.0131	-0.0056	0.0187
5/28/2001	6/26/2001	7/12/2001	1059	29	0.9751	1.4054	1.3482	0.3883	2	0.3708	0.0606	0.0050	0.0556
5/28/2001	6/26/2001	7/12/2001	1060	29	0.9709	1.3634	1.3344	0.3874	8	0.3608	0.0327	0.0053	0.0274
5/28/2001	6/26/2001	7/12/2001	1061	29	0.9739	1.8438	1.5563	0.3884	0	0.3739	0.4971	0.2112	0.2859
5/28/2001	6/26/2001	7/12/2001	1062	29	0.9739	1.8644	1.5851	0.3874	2	0.3699	0.5217	0.2439	0.2777
5/28/2001	6/26/2001	7/12/2001	1063	29	0.9755	1.4325	1.3545	0.3873	1	0.3713	0.0868	0.0103	0.0764
5/28/2001	6/26/2001	7/12/2001	1064	29	0.9772	1.4322	1.3652	0.3884	2	0.3708	0.0852	0.0198	0.0654
5/28/2001	6/26/2001	7/12/2001	1065	29	0.9805	1.3674	1.35	0.3924	2	0.3747	0.0133	-0.0026	0.0158
5/28/2001	6/26/2001	7/12/2001	1066	29	0.9800	1.418	1.3535	0.3897	2	0.3721	0.0670	0.0040	0.0629
5/28/2001	6/26/2001	7/12/2001	1067	29	0.9747	1.3738	1.3462	0.3867	3	0.3677	0.0325	0.0064	0.0260
5/28/2001	6/26/2001	7/12/2001	1068	29	0.9808	1.3734	1.3464	0.3889	4	0.3683	0.0254	-0.0001	0.0254
6/26/2001	7/26/2001	8/3/2001	1237	30	0.9794	1.3143	1.3065	0.3954	30	0.3352	0.0007	-0.0055	0.0062
6/26/2001	7/26/2001	8/3/2001	1238	30	0.9854	1.3265	1.3218	0.3927	8	0.3659	-0.0237	-0.0269	0.0031
6/26/2001	7/26/2001	8/3/2001	1239	30	0.9802	1.3474	1.3362	0.3992	4	0.3782	-0.0100	-0.0196	0.0096
6/26/2001	7/26/2001	8/3/2001	1240	30	0.9806	1.3751	1.3535	0.3991	2	0.3811	0.0144	-0.0056	0.0200
6/26/2001	7/26/2001	8/3/2001	1241	30	0.9796	1.4307	1.3475	0.3935	15	0.3561	0.0961	0.0144	0.0816
6/26/2001	7/26/2001	8/3/2001	1242	30	0.9822	1.4345	1.3617	0.3994	7	0.3739	0.0795	0.0083	0.0712
6/26/2001	7/26/2001	8/3/2001	1243	30	0.9813	1.3671	1.3449	0.3947	2	0.3769	0.0100	-0.0107	0.0206
6/26/2001	7/26/2001	8/3/2001	1244	30	0.9811	1.392	1.3595	0.3942	1	0.3779	0.0340	0.0031	0.0309
6/26/2001	7/26/2001	8/3/2001	1245	30	0.9819	1.3656	1.3486	0.3985	3	0.3791	0.0057	-0.0097	0.0154
6/26/2001	7/26/2001	8/3/2001	1246	30	0.9835	1.27	1.2663	0.394	24	0.3430	-0.0554	-0.0575	0.0021
6/26/2001	7/26/2001	8/3/2001	1247	30	0.9831	1.3477	1.3391	0.3966	6	0.3727	-0.0070	-0.0140	0.0070
6/26/2001	7/26/2001	8/3/2001	1248	30	NV	NV	NV	NV		NV	NV	NV	NV
7/26/2001	9/7/2001	11/5/2001	1345	43	0.9720	1.4131	1.362	0.4119	2	0.3935	0.0487	-0.0008	0.0495
7/26/2001	9/7/2001	11/5/2001	1346	43	0.9699	1.4791	1.3809	0.4168	2	0.3982	0.1121	0.0154	0.0966
7/26/2001	9/7/2001	11/5/2001	1347	43	0.9688	1.4224	1.3731	0.4144	2	0.3959	0.0588	0.0110	0.0477
7/26/2001	9/7/2001	11/5/2001	1348	43	0.9718	1.4451	1.3808	0.4136	1	0.3966	0.0777	0.0150	0.0627
7/26/2001	9/7/2001	11/5/2001	1349	43	0.9745	1.5896	1.4407	0.414	0	0.3985	0.2176	0.0703	0.1473
7/26/2001	9/7/2001	11/5/2001	1350	43	0.9712	1.4951	1.4022	0.4136	0	0.3981	0.1268	0.0355	0.0913
7/26/2001	9/7/2001	11/5/2001	1351	43	0.9729	1.4338	1.3709	0.412	2	0.3936	0.0684	0.0071	0.0613
7/26/2001	9/7/2001	11/5/2001	1352	43	0.9702	1.4397	1.3796	0.4141	1	0.3971	0.0735	0.0149	0.0585
7/26/2001	9/7/2001	11/5/2001	1353	43	0.9684	1.4985	1.3874	0.4135	0	0.3980	0.1331	0.0236	0.1095
7/26/2001	9/7/2001	11/5/2001	1354	43	0.9701	1.4364	1.3646	0.4142	3	0.3942	0.0732	0.0029	0.0702
7/26/2001	9/7/2001	11/5/2001	1355	43	0.9741	1.3618	1.3268	0.4146	8	0.3870	0.0018	-0.0317	0.0334
7/26/2001	9/7/2001	11/5/2001	1356	43	0.9723	1.3754	1.3355	0.4147	8	0.3871	0.0171	-0.0213	0.0383
9/7/2001	10/8/2001	11/28/2001	1513	31	0.9792	1.4795	1.3843	0.4047	2	0.3865	0.1148	0.0212	0.0936
9/7/2001	10/8/2001	11/28/2001	1514	31	0.9828	1.4333	1.3822	0.4011	2	0.3831	0.0685	0.0190	0.0495
9/7/2001	10/8/2001	11/28/2001	1515	31	0.9789	1.5276	1.4008	0.4012	2	0.3832	0.1666	0.0414	0.1252
9/7/2001	10/8/2001	11/28/2001	1516	31	0.9798	1.4305	1.3764	0.401	4	0.3800	0.0718	0.0193	0.0525
9/7/2001	10/8/2001	11/28/2001	1517	31	0.9807	2.2019	1.6763	0.3971	2	0.3792	0.8430	0.3190	0.5240
9/7/2001	10/8/2001	11/28/2001	1518	31	0.9779	2.0436	1.6167	0.3991	2	0.3811	0.6856	0.2603	0.4253
9/7/2001	10/8/2001	11/28/2001	1519	31	0.9812	1.5156	1.4134	0.3977	2	0.3798	0.1557	0.0550	0.1006
9/7/2001	10/8/2001	11/28/2001	1520	31	0.9816	1.492	1.3982	0.4	2	0.3820	0.1295	0.0372	0.0922
9/7/2001	10/8/2001	11/28/2001	1521	31	0.9805	1.5511	1.4308	0.4011	0	0.3861	0.1856	0.0668	0.1187
9/7/2001	10/8/2001	11/28/2001	1522	31	0.9792	1.479	1.3939	0.4014	2	0.3834	0.1175	0.0340	0.0835
9/7/2001	10/8/2001	11/28/2001	1523	31	0.9802	1.4209	1.355	0.3996	4	0.3786	0.0632	-0.0012	0.0643
9/7/2001	10/8/2001	11/28/2001	1524	31	0.9798	1.4616	1.3714	0.3991	2	0.3811	0.1017	0.0131	0.0886
10/8/2001	11/1/2001	1/5/2001	1753	24	0.9829	1.5572	1.4401	0.4046	1	0.3880	0.1874	0.0719	0.1155
10/8/2001	11/1/2001	1/5/2001	1754	24	0.9837	1.592	1.4285	0.4018	1	0.3853	0.2241	0.0622	0.1619

Table B2: Sediment trap data

Site 413													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/5/2001	1755	24	0.9802	1.8155	1.4649	0.3967	0	0.3819	0.4545	0.1055	0.3490
10/8/2001	11/1/2001	1/5/2001	1756	24	0.9796	1.4095	1.3763	0.3973	0	0.3824	0.0485	0.0169	0.0316
10/8/2001	11/1/2001	1/5/2001	1757	24	0.9783	2.2638	1.6663	0.3953	0	0.3805	0.9060	0.3101	0.5959
10/8/2001	11/1/2001	1/5/2001	1758	24	0.9775	1.9549	1.5635	0.3963	0	0.3815	0.5970	0.2072	0.3898
10/8/2001	11/1/2001	1/5/2001	1759	24	0.9844	1.5432	1.4193	0.3937	0	0.3790	0.1809	0.0586	0.1223
10/8/2001	11/1/2001	1/5/2001	1760	24	0.9831	1.492	1.4119	0.4016	1	0.3851	0.1249	0.0464	0.0785
10/8/2001	11/1/2001	1/5/2001	1761	24	0.9808	1.5215	1.4236	0.3997	0	0.3848	0.1570	0.0607	0.0963
10/8/2001	11/1/2001	1/5/2001	1762	24	0.9820	1.5953	1.4356	0.3985	0	0.3836	0.2308	0.0727	0.1581
10/8/2001	11/1/2001	1/5/2001	1763	24	0.9816	1.4715	1.4054	0.3979	1	0.3815	0.1095	0.0449	0.0645
10/8/2001	11/1/2001	1/5/2001	1764	24	0.9822	1.4896	1.4106	0.4007	0	0.3857	0.1228	0.0453	0.0774
1/22/2002	2/5/2002	4/2/2002	2173	14	0.9769	1.4348	1.4002	0.4186	2	0.3999	0.0580	0.0234	0.0346
1/22/2002	2/5/2002	4/2/2002	2174	14	0.9741	1.4107	1.3863	0.4161	1	0.3990	0.0376	0.0132	0.0244
1/22/2002	2/5/2002	4/2/2002	2175	14	0.9773	1.4346	1.3998	0.4158	0	0.4002	0.0571	0.0223	0.0348
1/22/2002	2/5/2002	4/2/2002	2176	14	0.9765	1.5289	1.4233	0.415	1	0.3980	0.1544	0.0488	0.1056
1/22/2002	2/5/2002	4/2/2002	2177	14	0.9771	2.2151	1.6544	0.4145	0	0.3990	0.8390	0.2783	0.5607
1/22/2002	2/5/2002	4/2/2002	2178	14	0.9767	2.1222	1.6347	0.4165	0	0.4009	0.7446	0.2571	0.4875
1/22/2002	2/5/2002	4/2/2002	2179	14	0.9772	1.5097	1.4228	0.4132	0	0.3977	0.1348	0.0479	0.0869
1/22/2002	2/5/2002	4/2/2002	2180	14	0.9790	1.4405	1.3983	0.4135	3	0.3935	0.0680	0.0258	0.0422
1/22/2002	2/5/2002	4/2/2002	2181	14	0.9775	1.4243	1.3851	0.4114	0	0.3960	0.0508	0.0116	0.0392
1/22/2002	2/5/2002	4/2/2002	2182	14	0.9777	1.4276	1.3828	0.4085	1	0.3917	0.0582	0.0134	0.0448
1/22/2002	2/5/2002	4/2/2002	2183	14	0.9773	1.4122	1.3711	0.4105	9	0.3815	0.0534	0.0123	0.0411
1/22/2002	2/5/2002	4/2/2002	2184	14	0.9787	1.3907	1.3735	0.4092	0	0.3939	0.0181	0.0009	0.0172
2/5/2002	2/18/2002	3/7/2002	2329	13	0.9846	1.4609	1.4192	0.4261	0	0.4102	0.0661	0.0244	0.0417
2/5/2002	2/18/2002	3/7/2002	2330	13	0.9815	1.4387	1.4132	0.4265	0	0.4105	0.0467	0.0212	0.0255
2/5/2002	2/18/2002	3/7/2002	2331	13	0.9830	1.4618	1.42	0.4253	0	0.4094	0.0694	0.0276	0.0418
2/5/2002	2/18/2002	3/7/2002	2332	13	0.9801	1.6049	1.4536	0.4263	0	0.4104	0.2144	0.0631	0.1513
2/5/2002	2/18/2002	3/7/2002	2333	13	0.9834	2.6784	1.8359	0.4255	0	0.4096	1.2854	0.4429	0.8425
2/5/2002	2/18/2002	3/7/2002	2334	13	0.9802	2.333	1.7235	0.4229	0	0.4071	0.9457	0.3362	0.6095
2/5/2002	2/18/2002	3/7/2002	2335	13	0.9808	1.435	1.4094	0.4259	1	0.4085	0.0457	0.0201	0.0256
2/5/2002	2/18/2002	3/7/2002	2336	13	0.9842	1.4628	1.4211	0.428	0	0.4120	0.0666	0.0249	0.0417
2/5/2002	2/18/2002	3/7/2002	2337	13	0.9820	1.466	1.4137	0.4278	3	0.4073	0.0767	0.0244	0.0523
2/5/2002	2/18/2002	3/7/2002	2338	13	0.9867	1.4246	1.4037	0.4248	0	0.4089	0.0290	0.0081	0.0209
2/5/2002	2/18/2002	3/7/2002	2339	13	0.9841	1.4033	1.3961	0.4246	2	0.4057	0.0135	0.0063	0.0072
2/5/2002	2/18/2002	3/7/2002	2340	13	0.9812	1.4292	1.403	0.4257	0	0.4098	0.0382	0.0120	0.0262
2/18/2002	3/3/2002	4/17/2002	2461	13	0.9831	1.4228	1.4067	0.4328	0	0.4166	0.0231	0.0070	0.0161
2/18/2002	3/3/2002	4/17/2002	2462	13	0.9866	1.469	1.417	0.4319	0	0.4157	0.0667	0.0147	0.0520
2/18/2002	3/3/2002	4/17/2002	2463	13	0.9910	1.418	1.4063	0.4288	2	0.4097	0.0173	0.0056	0.0117
2/18/2002	3/3/2002	4/17/2002	2464	13	0.9887	1.4272	1.4113	0.4281	0	0.4121	0.0264	0.0105	0.0159
2/18/2002	3/3/2002	4/17/2002	2465	13	0.9885	1.9771	1.5972	0.4293	2	0.4102	0.5784	0.1985	0.3799
2/18/2002	3/3/2002	4/17/2002	2466	13	0.9860	2.664	1.8351	0.4319	0	0.4157	1.2623	0.4334	0.8289
2/18/2002	3/3/2002	4/17/2002	2467	13	0.9854	1.4141	1.4073	0.4354	0	0.4191	0.0096	0.0028	0.0068
2/18/2002	3/3/2002	4/17/2002	2468	13	0.9898	1.4038	1.3985	0.4279	2.2	0.4086	0.0054	0.0001	0.0053
2/18/2002	3/3/2002	4/17/2002	2469	13	0.9893	1.4105	1.4066	0.4292	2	0.4101	0.0111	0.0072	0.0039
2/18/2002	3/3/2002	4/17/2002	2470	13	0.9802	1.4233	1.4041	0.4322	0	0.4160	0.0271	0.0079	0.0192
2/18/2002	3/3/2002	4/17/2002	2471	13	0.9830	1.4012	1.3953	0.4329	3	0.4122	0.0060	0.0001	0.0059
2/18/2002	3/3/2002	4/17/2002	2472	13	0.9853	1.4049	1.3982	0.4289	0	0.4129	0.0067	0.0000	0.0067
3/3/2002	3/25/2002	4/18/2002	2545	22	0.9808	1.6749	1.4709	0.4273	2	0.4083	0.2858	0.0818	0.2040
3/3/2002	3/25/2002	4/18/2002	2546	22	0.9884	1.6175	1.4509	0.423	1	0.4057	0.2234	0.0568	0.1666
3/3/2002	3/25/2002	4/18/2002	2547	22	0.9798	1.8534	1.4997	0.4267	1	0.4092	0.4644	0.1107	0.3537
3/3/2002	3/25/2002	4/18/2002	2548	22	0.9896	2.268	1.6929	0.4247	0	0.4088	0.8696	0.2945	0.5751
3/3/2002	3/25/2002	4/18/2002	2549	22	0.9898	3.4895	2.1278	0.4256	1	0.4082	2.0915	0.7298	1.3617
3/3/2002	3/25/2002	4/18/2002	2550	22	0.9916	2.1281	1.6658	0.4257	0	0.4098	0.7267	0.2644	0.4623
3/3/2002	3/25/2002	4/18/2002	2551	22	0.9926	1.6612	1.4957	0.4304	2	0.4113	0.2573	0.0918	0.1655
3/3/2002	3/25/2002	4/18/2002	2552	22	0.9866	1.846	1.5652	0.4282	1	0.4107	0.4487	0.1679	0.2808
3/3/2002	3/25/2002	4/18/2002	2553	22	0.9810	1.6945	1.49	0.4272	0	0.4112	0.3023	0.0978	0.2045

Table B2: Sediment trap data

Site 413													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/3/2002	**3/25/2002**	**4/18/2002**	**2554**	**22**	**0.9833**	**1.4801**	**1.4176**	**0.4303**	**3**	**0.4097**	**0.0871**	**0.0246**	**0.0625**
3/3/2002	**3/25/2002**	**4/18/2002**	**2555**	**22**	**0.9806**	**1.6157**	**1.4458**	**0.4325**	**2**	**0.4133**	**0.2218**	**0.0519**	**0.1699**
3/3/2002	**3/25/2002**	**4/18/2002**	**2556**	**22**	**0.9833**	**1.462**	**1.42**	**0.4289**	**0**	**0.4129**	**0.0658**	**0.0238**	**0.0420**
3/25/2002	5/7/2002	5/23/2002	2773	43	0.9513	1.7679	1.5382	0.427	0	0.4110	0.4056	0.1759	0.2297
3/25/2002	5/7/2002	5/23/2002	2774	43	0.9499	1.7753	1.5148	0.4283	4	0.4062	0.4192	0.1587	0.2605
3/25/2002	5/7/2002	5/23/2002	2775	43	0.9485	1.7543	1.5015	0.431	8	0.4028	0.4030	0.1502	0.2528
3/25/2002	5/7/2002	5/23/2002	2776	43	0.9510	1.6809	1.4565	0.4279	2	0.4089	0.3210	0.0966	0.2244
3/25/2002	5/7/2002	5/23/2002	2777	43	0.9532	1.9751	1.577	0.4271	6	0.4021	0.6198	0.2217	0.3981
3/25/2002	5/7/2002	5/23/2002	2778	43	0.9552	2.8782	1.827	0.4293	10	0.3981	1.5249	0.4737	1.0512
3/25/2002	5/7/2002	5/23/2002	2779	43	0.9501	1.5643	1.4198	0.4303	3	0.4097	0.2045	0.0600	0.1445
3/25/2002	5/7/2002	5/23/2002	2780	43	0.9486	1.6091	1.4525	0.4273	0	0.4113	0.2492	0.0926	0.1566
3/25/2002	5/7/2002	5/23/2002	2781	43	0.9523	1.6478	1.4534	0.4268	0	0.4108	0.2847	0.0903	0.1944
3/25/2002	5/7/2002	5/23/2002	2782	43	0.9498	1.5502	1.3839	0.4284	4	0.4063	0.1941	0.0278	0.1663
3/25/2002	5/7/2002	5/23/2002	2783	43	0.9463	1.5285	1.4132	0.4318	3	0.4111	0.1711	0.0558	0.1153
3/25/2002	5/7/2002	5/23/2002	2784	43	0.9516	1.4053	1.3617	0.4303	0	0.4142	0.0395	-0.0041	0.0436
5/7/2002	6/11/2002	6/13/2002	2881	35	0.9877	1.4209	1.3746	0.4266	24	0.3743	0.0589	0.0126	0.0463
5/7/2002	6/11/2002	6/13/2002	2882	35	0.9878	1.4805	1.4079	0.4285	4	0.4064	0.0863	0.0137	0.0726
5/7/2002	6/11/2002	6/13/2002	2883	35	0.9885	1.5178	1.4116	0.4267	5	0.4032	0.1261	0.0199	0.1062
5/7/2002	6/11/2002	6/13/2002	2884	35	0.9864	1.5294	1.4322	0.4239	0	0.4080	0.1350	0.0378	0.0972
5/7/2002	6/11/2002	6/13/2002	2885	35	0.9832	1.7298	1.4707	0.4294	25	0.3755	0.3711	0.1120	0.2591
5/7/2002	6/11/2002	6/13/2002	2886	35	0.9819	1.4933	1.407	0.4314	3	0.4107	0.1007	0.0144	0.0863
5/7/2002	6/11/2002	6/13/2002	2887	35	0.9873	1.4473	1.4122	0.4331	1	0.4154	0.0446	0.0095	0.0351
5/7/2002	6/11/2002	6/13/2002	2888	35	0.9876	1.4735	1.4081	0.4278	2	0.4088	0.0771	0.0117	0.0654
5/7/2002	6/11/2002	6/13/2002	2889	35	0.9900	1.4387	1.386	0.4303	13	0.3945	0.0542	0.0015	0.0527
5/7/2002	6/11/2002	6/13/2002	2890	35	0.9875	1.4255	1.3862	0.4269	9	0.3973	0.0407	0.0014	0.0393
5/7/2002	6/11/2002	6/13/2002	2891	35	0.9836	1.4066	1.3643	0.4287	22	0.3794	0.0436	0.0013	0.0423
5/7/2002	6/11/2002	6/13/2002	2892	35	0.9829	1.4051	1.379	0.4246	9	0.3951	0.0271	0.0010	0.0261
6/11/2002	7/15/2002	7/24/2002	3013	34	0.9761	1.5495	1.4333	0.4342	7	0.4074	0.1660	0.0498	0.1162
6/11/2002	7/15/2002	7/24/2002	3014	34	0.9723	1.551	1.4364	0.4336	0	0.4174	0.1613	0.0467	0.1146
6/11/2002	7/15/2002	7/24/2002	3015	34	0.9686	2.1235	1.6586	0.4311	0	0.4150	0.7399	0.2750	0.4649
6/11/2002	7/15/2002	7/24/2002	3016	34	0.9687	2.3409	1.7186	0.4338	2	0.4146	0.9576	0.3353	0.6223
6/11/2002	7/15/2002	7/24/2002	3017	34	NV	NV	NV	NV	0		NV	NV	NV
6/11/2002	7/15/2002	7/24/2002	3018	34	NV	NV	NV	NV	0		NV	NV	NV
6/11/2002	7/15/2002	7/24/2002	3019	34	0.9665	1.5049	1.4105	0.4335	0	0.4173	0.1211	0.0267	0.0944
6/11/2002	7/15/2002	7/24/2002	3020	34	0.9683	1.5081	1.4139	0.431	0	0.4149	0.1249	0.0307	0.0942
6/11/2002	7/15/2002	7/24/2002	3021	34	0.9619	1.642	1.4296	0.4323	0	0.4161	0.2640	0.0516	0.2124
6/11/2002	7/15/2002	7/24/2002	3022	34	0.9628	1.637	1.4338	0.4285	0	0.4125	0.2617	0.0585	0.2032
6/11/2002	7/15/2002	7/24/2002	3023	34	0.9626	1.533	1.4052	0.434	0	0.4178	0.1526	0.0248	0.1278
6/11/2002	7/15/2002	7/24/2002	3024	34	0.9633	1.5184	1.407	0.432	2	0.4128	0.1423	0.0309	0.1114
7/15/2002	8/8/2002	8/15/2002	3169	24	0.9640	1.4565	1.4066	0.4257	0	0.4098	0.0827	0.0328	0.0499
7/15/2002	8/8/2002	8/15/2002	3170	24	0.9691	1.5074	1.4114	0.4252	0	0.4093	0.1290	0.0330	0.0960
7/15/2002	8/8/2002	8/15/2002	3171	24	0.9625	1.5885	1.4568	0.427	1	0.4095	0.2165	0.0848	0.1317
7/15/2002	8/8/2002	8/15/2002	3172	24	0.9712	2.0855	1.6402	0.4263	1	0.4088	0.7055	0.2602	0.4453
7/15/2002	8/8/2002	8/15/2002	3173	24	0.0000	0	0	0	0	0.0000	0.0000	0.0000	0.0000
7/15/2002	8/8/2002	8/15/2002	3174	24	0.0000	0	0	0	0	0.0000	0.0000	0.0000	0.0000
7/15/2002	8/8/2002	8/15/2002	3175	24	0.9670	1.4145	1.3827	0.4254	0	0.4095	0.0380	0.0062	0.0318
7/15/2002	8/8/2002	8/15/2002	3176	24	0.9679	1.4005	1.3758	0.4249	1	0.4075	0.0251	0.0004	0.0247
7/15/2002	8/8/2002	8/15/2002	3177	24	0.9709	1.8166	1.5153	0.4272	0	0.4112	0.4345	0.1332	0.3013
7/15/2002	8/8/2002	8/15/2002	3178	24	0.9682	1.8758	1.5035	0.4255	0	0.4096	0.4980	0.1257	0.3723
7/15/2002	8/8/2002	8/15/2002	3179	24	0.9676	1.3928	1.3726	0.4245	0	0.4086	0.0166	-0.0036	0.0202
7/15/2002	8/8/2002	8/15/2002	3180	24	0.9667	1.4116	1.3866	0.4255	0	0.4096	0.0353	0.0103	0.0250

Table B2: Sediment trap data

Site 418													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/9/2001	2/20/2001	3/1/2001	217	11	33.5625	33.9452	33.9424	0.389	0	0.3745	0.0082	0.0054	0.0028
2/9/2001	2/20/2001	3/1/2001	218	11	31.9160	32.303	32.2999	0.3917	0	0.3771	0.0099	0.0068	0.0031
2/9/2001	2/20/2001	3/1/2001	219	11	31.9748	32.3528	32.3491	0.3883	0	0.3738	0.0042	0.0005	0.0037
2/9/2001	2/20/2001	3/1/2001	220	11	30.9077	31.3033	31.3002	0.3982	0	0.3833	0.0123	0.0092	0.0031
2/9/2001	2/20/2001	3/1/2001	221	11	28.9612	29.3585	29.3554	0.4028	0	0.3877	0.0096	0.0065	0.0031
2/9/2001	2/20/2001	3/1/2001	222	11	30.8039	31.2043	31.1985	0.4013	0	0.3863	0.0141	0.0083	0.0058
2/9/2001	2/20/2001	3/1/2001	223	11	32.4913	32.8931	32.8658	0.3773	0	0.3632	0.0386	0.0113	0.0273
2/9/2001	2/20/2001	3/1/2001	224	11	30.7947	31.1848	31.1692	0.3807	0	0.3665	0.0236	0.0080	0.0156
2/9/2001	2/20/2001	3/1/2001	225	11	30.3450	30.7205	30.7143	0.376	0	0.3619	0.0136	0.0074	0.0062
2/9/2001	2/20/2001	3/1/2001	226	11	30.8980	31.3241	30.2722	0.3764	0	0.3623	0.0638	-0.9881	1.0519
2/9/2001	2/20/2001	3/1/2001	227	11	30.9903	31.3741	31.3594	0.3804	0	0.3662	0.0176	0.0029	0.0147
2/9/2001	2/20/2001	3/1/2001	228	11	28.8988	29.2809	29.2865	0.4091	0	0.3938	-0.0117	-0.0061	-0.0056
2/20/2001	3/2/2001	3/12/2001	277	10	31.3919	31.7647	31.7631	0.4045	0	0.3894	-0.0166	-0.0182	0.0016
2/20/2001	3/2/2001	3/12/2001	278	10	32.9075	33.2931	33.2886	0.4041	0	0.3890	-0.0034	-0.0079	0.0045
2/20/2001	3/2/2001	3/12/2001	279	10	31.4175	31.795	31.7909	0.4059	0	0.3907	-0.0132	-0.0173	0.0041
2/20/2001	3/2/2001	3/12/2001	280	10	28.0978	28.4723	28.4678	0.4035	0	0.3884	-0.0139	-0.0184	0.0045
2/20/2001	3/2/2001	3/12/2001	281	10	31.6807	32.0739	32.0662	0.4048	0	0.3897	0.0035	-0.0042	0.0077
2/20/2001	3/2/2001	3/12/2001	282	10	30.5141	30.9155	30.908	0.4039	0	0.3888	0.0126	0.0051	0.0075
2/20/2001	3/2/2001	3/12/2001	283	10	31.1801	32.1027	31.5741	0.3984	0	0.3835	0.5391	0.0105	0.5286
2/20/2001	3/2/2001	3/12/2001	284	10	30.7858	31.1794	31.1711	0.3979	0	0.3830	0.0106	0.0023	0.0083
2/20/2001	3/2/2001	3/12/2001	285	10	30.3443	30.7245	30.7211	0.393	0	0.3783	0.0019	-0.0015	0.0034
2/20/2001	3/2/2001	3/12/2001	286	10	29.8974	30.282	30.2761	0.3972	0	0.3823	0.0023	-0.0036	0.0059
2/20/2001	3/2/2001	3/12/2001	287	10	31.5372	31.9236	31.9191	0.3982	0	0.3833	0.0031	-0.0014	0.0045
2/20/2001	3/2/2001	3/12/2001	288	10	31.5250	31.9092	31.8976	0.3932	0	0.3785	0.0057	-0.0059	0.0116
3/2/2001	**3/16/2001**	**4/2/2001**	**433**	**14**	**0.9961**	**4.733**	**3.8438**	**0.3823**	**7**	**0.3574**	**3.3806**	**2.4930**	**0.8876**
3/2/2001	**3/16/2001**	**4/2/2001**	**434**	**14**	**0.9965**	**3.3738**	**2.8377**	**0.3799**	**5**	**0.3581**	**2.0203**	**1.4858**	**0.5345**
3/2/2001	**3/16/2001**	**4/2/2001**	**435**	**14**	**0.9961**	**1.3978**	**1.3539**	**0.3751**	**15**	**0.3384**	**0.0644**	**0.0221**	**0.0423**
3/2/2001	**3/16/2001**	**4/2/2001**	**436**	**14**	**0.9959**	**2.4918**	**2.0381**	**0.3763**	**10**	**0.3471**	**1.1499**	**0.6978**	**0.4521**
3/2/2001	**3/16/2001**	**4/2/2001**	**437**	**14**	**0.9969**	**1.4712**	**1.4373**	**0.3725**	**2**	**0.3555**	**0.1198**	**0.0875**	**0.0323**
3/2/2001	**3/16/2001**	**4/2/2001**	**438**	**14**	**0.9954**	**1.4702**	**1.438**	**0.3833**	**1.5**	**0.3667**	**0.1092**	**0.0786**	**0.0306**
3/2/2001	**3/16/2001**	**4/2/2001**	**439**	**14**	**0.9993**	**1.4824**	**1.444**	**0.3884**	**2**	**0.3708**	**0.1133**	**0.0765**	**0.0368**
3/2/2001	**3/16/2001**	**4/2/2001**	**440**	**14**	**0.9998**	**1.5127**	**1.4364**	**0.3875**	**3.5**	**0.3677**	**0.1463**	**0.0716**	**0.0747**
3/2/2001	**3/16/2001**	**4/2/2001**	**441**	**14**	**0.9988**	**1.4038**	**1.3915**	**0.3895**	**1.5**	**0.3727**	**0.0334**	**0.0227**	**0.0107**
3/2/2001	**3/16/2001**	**4/2/2001**	**442**	**14**	**0.9965**	**1.4096**	**1.3957**	**0.3954**	**2**	**0.3776**	**0.0366**	**0.0243**	**0.0123**
3/2/2001	**3/16/2001**	**4/2/2001**	**443**	**14**	**0.9959**	**1.4018**	**1.3871**	**0.3813**	**1**	**0.3655**	**0.0415**	**0.0284**	**0.0131**
3/2/2001	**3/16/2001**	**4/2/2001**	**444**	**14**	**0.9951**	**1.4538**	**1.3915**	**0.3875**	**2.5**	**0.3692**	**0.0906**	**0.0299**	**0.0607**
3/16/2001	**3/30/2001**	**5/9/2001**	**601**	**14**	**1.0163**	**1.8941**	**1.716**	**0.3832**	**12**	**0.3507**	**0.5282**	**0.3517**	**0.1765**
3/16/2001	**3/30/2001**	**5/9/2001**	**602**	**14**	**1.0159**	**1.6563**	**1.5612**	**0.3845**	**13**	**0.3505**	**0.2910**	**0.1976**	**0.0935**
3/16/2001	**3/30/2001**	**5/9/2001**	**603**	**14**	NV	NV	NV	NV		NV	NV	NV	NV
3/16/2001	**3/30/2001**	**5/9/2001**	**604**	**14**	**1.0165**	**1.5873**	**1.4624**	**0.3798**	**17**	**0.3399**	**0.2320**	**0.1088**	**0.1233**
3/16/2001	**3/30/2001**	**5/9/2001**	**605**	**14**	**1.0170**	**1.4441**	**1.4267**	**0.384**	**0.5**	**0.3689**	**0.0593**	**0.0436**	**0.0158**
3/16/2001	**3/30/2001**	**5/9/2001**	**606**	**14**	**1.0206**	**1.4353**	**1.4205**	**0.3886**	**1.5**	**0.3718**	**0.0440**	**0.0309**	**0.0132**
3/16/2001	**3/30/2001**	**5/9/2001**	**607**	**14**	**1.0142**	**1.4367**	**1.4213**	**0.3906**	**0**	**0.3760**	**0.0476**	**0.0338**	**0.0138**
3/16/2001	**3/30/2001**	**5/9/2001**	**608**	**14**	**1.0150**	**1.4503**	**1.4311**	**0.3929**	**0**	**0.3782**	**0.0582**	**0.0406**	**0.0176**
3/16/2001	**3/30/2001**	**5/9/2001**	**609**	**14**	**1.0143**	**1.4088**	**1.3986**	**0.3882**	**0.5**	**0.3729**	**0.0227**	**0.0141**	**0.0086**
3/16/2001	**3/30/2001**	**5/9/2001**	**610**	**14**	**1.0164**	**1.4074**	**1.3985**	**0.3904**	**0**	**0.3758**	**0.0163**	**0.0090**	**0.0073**
3/16/2001	**3/30/2001**	**5/9/2001**	**611**	**14**	**1.0160**	**1.4076**	**1.3977**	**0.3904**	**0.5**	**0.3750**	**0.0177**	**0.0094**	**0.0083**
3/16/2001	**3/30/2001**	**5/9/2001**	**612**	**14**	**1.0174**	**1.4124**	**1.4008**	**0.3966**	**0.5**	**0.3810**	**0.0151**	**0.0051**	**0.0100**
3/30/2001	4/20/2001	5/22/2001	757	21	0.9695	1.6509	1.4715	0.448	0	0.4312	0.2512	0.0734	0.1778
3/30/2001	4/20/2001	5/22/2001	758	21	0.9695	1.4399	1.4256	0.447	0	0.4303	0.0412	0.0284	0.0127
3/30/2001	4/20/2001	5/22/2001	759	21	0.9747	1.4671	1.4434	0.4485	0	0.4317	0.0617	0.0396	0.0221
3/30/2001	4/20/2001	5/22/2001	760	21	0.9701	1.4532	1.4352	0.4429	0	0.4263	0.0578	0.0414	0.0164
3/30/2001	4/20/2001	5/22/2001	761	21	0.9705	1.4688	1.4451	0.4535	0	0.4365	0.0628	0.0407	0.0221
3/30/2001	4/20/2001	5/22/2001	762	21	0.9653	1.4905	1.4527	0.4513	0	0.4344	0.0918	0.0556	0.0362

Table B2: Sediment trap data

Site 418													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/30/2001	4/20/2001	5/22/2001	763	21	0.9708	1.4505	1.4285	0.4489	0	0.4321	0.0486	0.0282	0.0204
3/30/2001	4/20/2001	5/22/2001	764	21	0.9702	1.4453	1.4216	0.4471	0	0.4304	0.0458	0.0236	0.0221
3/30/2001	4/20/2001	5/22/2001	765	21	0.9737	1.408	1.3972	0.448	10.9	0.4148	0.0206	0.0113	0.0092
3/30/2001	4/20/2001	5/22/2001	766	21	0.9669	1.4255	1.4088	0.4456	0	0.4289	0.0307	0.0156	0.0151
3/30/2001	4/20/2001	5/22/2001	767	21	0.9655	1.4479	1.4197	0.4488	0	0.4320	0.0514	0.0248	0.0266
3/30/2001	4/20/2001	5/22/2001	768	21	0.9704	1.4502	1.4201	0.4422	0	0.4257	0.0552	0.0267	0.0285
4/20/2001	5/18/2001	6/11/2001	829	28	0.9883	3.1513	2.5947	0.3789	0	0.3647	1.7993	1.2443	0.5550
4/20/2001	5/18/2001	6/11/2001	830	28	0.9864	2.0384	1.8392	0.389	0	0.3745	0.6786	0.4810	0.1976
4/20/2001	5/18/2001	6/11/2001	831	28	0.9818	2.3258	2.0364	0.3901	0	0.3755	0.9696	0.6817	0.2878
4/20/2001	5/18/2001	6/11/2001	832	28	0.9818	1.8139	1.6751	0.3909	0	0.3763	0.4569	0.3197	0.1372
4/20/2001	5/18/2001	6/11/2001	833	28	0.9880	1.9156	1.6355	0.3932	0	0.3785	0.5502	0.2717	0.2785
4/20/2001	5/18/2001	6/11/2001	834	28	0.9870	2.478	1.746	0.3967	0	0.3819	1.1102	0.3798	0.7304
4/20/2001	5/18/2001	6/11/2001	835	28	0.9844	1.7387	1.5223	0.3849	9	0.3569	0.3985	0.1837	0.2148
4/20/2001	5/18/2001	6/11/2001	836	28	0.9851	1.7082	1.5222	0.3878	0	0.3733	0.3509	0.1665	0.1844
4/20/2001	5/18/2001	6/11/2001	837	28	0.9862	1.3985	1.3786	0.3888	0	0.3743	0.0391	0.0208	0.0183
4/20/2001	5/18/2001	6/11/2001	838	28	0.9733	1.3892	1.3616	0.386	1	0.3701	0.0469	0.0209	0.0260
4/20/2001	5/18/2001	6/11/2001	839	28	0.9728	1.7646	1.5439	0.3883	0	0.3738	0.4191	0.1999	0.2191
4/20/2001	5/18/2001	6/11/2001	840	28	0.9771	1.7841	1.4533	0.3769	0	0.3628	0.4453	0.1160	0.3292
5/18/2001	6/14/2001	7/10/2001	985	27	0.9714	1.4637	1.3956	0.3959	2	0.3781	0.1153	0.0488	0.0665
5/18/2001	6/14/2001	7/10/2001	986	27	0.9674	1.378	1.3588	0.3977	2	0.3798	0.0319	0.0142	0.0176
5/18/2001	6/14/2001	7/10/2001	987	27	0.9680	1.5874	1.4867	0.3988	0	0.3839	0.2366	0.1374	0.0991
5/18/2001	6/14/2001	7/10/2001	988	27	0.9677	1.5595	1.4879	0.3969	2	0.3790	0.2138	0.1438	0.0700
5/18/2001	6/14/2001	7/10/2001	989	27	0.9705	1.4075	1.3762	0.3934	1	0.3772	0.0609	0.0311	0.0297
5/18/2001	6/14/2001	7/10/2001	990	27	0.9704	1.4529	1.3904	0.3907	0	0.3761	0.1075	0.0465	0.0609
5/18/2001	6/14/2001	7/10/2001	991	27	0.9731	1.3692	1.3472	0.3925	0	0.3778	0.0193	-0.0011	0.0204
5/18/2001	6/14/2001	7/10/2001	992	27	0.9746	1.4311	1.3849	0.3953	5	0.3730	0.0846	0.0400	0.0446
5/18/2001	6/14/2001	7/10/2001	993	27	0.9758	1.3687	1.3501	0.3918	4	0.3711	0.0229	0.0058	0.0170
5/18/2001	6/14/2001	7/10/2001	994	27	0.9668	1.3781	1.356	0.3929	2	0.3752	0.0372	0.0166	0.0205
5/18/2001	6/14/2001	7/10/2001	995	27	0.9671	1.3754	1.3504	0.389	2	0.3714	0.0379	0.0145	0.0234
5/18/2001	6/14/2001	7/10/2001	996	27	0.9699	1.3511	1.3316	0.3941	2	0.3763	0.0059	-0.0120	0.0179
6/14/2001	7/11/2001	7/17/2001	1141	27	0.9808	1.475	1.4162	0.4212	1	0.4039	0.0913	0.0341	0.0572
6/14/2001	7/11/2001	7/17/2001	1142	27	0.9780	1.4542	1.4089	0.4236	2	0.4047	0.0725	0.0288	0.0437
6/14/2001	7/11/2001	7/17/2001	1143	27	0.9780	1.3878	1.3752	0.4196	8	0.3918	0.0191	0.0080	0.0110
6/14/2001	7/11/2001	7/17/2001	1144	27	0.9782	1.3905	1.3756	0.4199	6	0.3951	0.0182	0.0049	0.0133
6/14/2001	7/11/2001	7/17/2001	1145	27	0.9759	1.4261	1.3992	0.42	2	0.4013	0.0500	0.0247	0.0253
6/14/2001	7/11/2001	7/17/2001	1146	27	0.9804	1.4328	1.4035	0.4175	0	0.4019	0.0516	0.0239	0.0277
6/14/2001	7/11/2001	7/17/2001	1147	27	0.9788	1.4078	1.3902	0.4208	2	0.4020	0.0280	0.0120	0.0160
6/14/2001	7/11/2001	7/17/2001	1148	27	0.9804	1.4186	1.3998	0.4236	1	0.4062	0.0330	0.0158	0.0172
6/14/2001	7/11/2001	7/17/2001	1149	27	0.9793	1.3962	1.3823	0.4181	0	0.4025	0.0155	0.0032	0.0123
6/14/2001	7/11/2001	7/17/2001	1150	27	0.9758	1.4359	1.4058	0.4197	0	0.4040	0.0572	0.0286	0.0285
6/14/2001	7/11/2001	7/17/2001	1151	27	0.9771	1.4233	1.4012	0.4171	0	0.4015	0.0458	0.0252	0.0205
6/14/2001	7/11/2001	7/17/2001	1152	27	0.9830	1.4802	1.4265	0.4209	3	0.4006	0.0976	0.0455	0.0521
7/11/2001	8/20/2001	9/20/2001	1297	40	0.9787	1.6157	1.4283	0.3917	1	0.3755	0.2625	0.0767	0.1858
7/11/2001	8/20/2001	9/20/2001	1298	40	0.9790	1.5863	1.428	0.3953	1	0.3790	0.2294	0.0726	0.1567
7/11/2001	8/20/2001	9/20/2001	1299	40	0.9767	1.5241	1.443	0.3939	0	0.3792	0.1693	0.0898	0.0795
7/11/2001	8/20/2001	9/20/2001	1300	40	0.9764	1.6829	1.5033	0.394	2	0.3762	0.3313	0.1533	0.1780
7/11/2001	8/20/2001	9/20/2001	1301	40	0.9786	1.5546	1.3895	0.3955	1	0.3792	0.1979	0.0343	0.1635
7/11/2001	8/20/2001	9/20/2001	1302	40	0.9795	1.757	1.456	0.3973	0	0.3824	0.3961	0.0967	0.2994
7/11/2001	8/20/2001	9/20/2001	1303	40	0.9753	1.4671	1.3678	0.3968	2	0.3789	0.1139	0.0162	0.0977
7/11/2001	8/20/2001	9/20/2001	1304	40	0.9789	1.4917	1.3714	0.3958	4	0.3749	0.1389	0.0202	0.1187
7/11/2001	8/20/2001	9/20/2001	1305	40	0.9768	1.4354	1.3589	0.3971	4	0.3762	0.0835	0.0085	0.0749
7/11/2001	8/20/2001	9/20/2001	1306	40	0.9784	1.8385	1.4599	0.3999	1	0.3834	0.4777	0.1007	0.3770
7/11/2001	8/20/2001	9/20/2001	1307	40	0.9781	1.5088	1.3851	0.3929	1	0.3767	0.1551	0.0329	0.1221

Table B2: Sediment trap data

Site 418													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
7/11/2001	8/20/2001	9/20/2001	1308	40	0.9827	1.5643	1.3986	0.3936	0	0.3789	0.2038	0.0397	0.1641
8/20/2001	9/14/2001	10/17/2001	1477	25	0.9652	1.4473	1.3803	0.403	0	0.3879	0.0952	0.0298	0.0654
8/20/2001	9/14/2001	10/17/2001	1478	25	0.9731	1.4253	1.3771	0.3982	0	0.3833	0.0700	0.0233	0.0466
8/20/2001	9/14/2001	10/17/2001	1479	25	0.9680	1.6389	1.4281	0.4	0	0.3850	0.2869	0.0777	0.2092
8/20/2001	9/14/2001	10/17/2001	1480	25	0.9742	1.47	1.3879	0.399	0	0.3841	0.1128	0.0323	0.0805
8/20/2001	9/14/2001	10/17/2001	1481	25	0.9657	1.4377	1.3797	0.4027	1	0.3861	0.0869	0.0305	0.0564
8/20/2001	9/14/2001	10/17/2001	1482	25	0.9665	1.5106	1.4082	0.4041	1	0.3875	0.1577	0.0568	0.1008
8/20/2001	9/14/2001	10/17/2001	1483	25	0.9676	1.4379	1.3655	0.3943	0	0.3796	0.0918	0.0210	0.0708
8/20/2001	9/14/2001	10/17/2001	1484	25	0.9748	1.4326	1.3763	0.4013	0	0.3863	0.0726	0.0178	0.0547
8/20/2001	9/14/2001	10/17/2001	1485	25	0.9696	1.3515	1.3223	0.3957	2	0.3779	0.0051	-0.0226	0.0276
8/20/2001	9/14/2001	10/17/2001	1486	25	0.9689	1.3772	1.3422	0.3947	0	0.3799	0.0294	-0.0040	0.0334
8/20/2001	9/14/2001	10/17/2001	1487	25	0.9657	1.3865	1.3421	0.3979	0	0.3830	0.0388	-0.0040	0.0428
8/20/2001	9/14/2001	10/17/2001	1488	25	0.9711	1.4398	1.3548	0.3965	13	0.3620	0.1077	0.0243	0.0834
9/14/2001	10/19/2001	1/10/2002	1633	35	0.9572	2.1478	1.8413	0.3695	0	0.3557	0.8360	0.5310	0.3050
9/14/2001	10/19/2001	1/10/2002	1634	35	0.9589	1.9733	1.7753	0.3741	0	0.3601	0.6553	0.4589	0.1965
9/14/2001	10/19/2001	1/10/2002	1635	35	0.9600	2.5245	2.0988	0.3717	1	0.3563	1.2093	0.7851	0.4242
9/14/2001	10/19/2001	1/10/2002	1636	35	0.9604	2.7709	2.1932	0.3735	0	0.3595	1.4520	0.8759	0.5762
9/14/2001	10/19/2001	1/10/2002	1637	35	0.9548	1.8615	1.5726	0.3782	0	0.3641	0.5437	0.2563	0.2874
9/14/2001	10/19/2001	1/10/2002	1638	35	0.9583	1.7014	1.5133	0.3638	0	0.3502	0.3939	0.2074	0.1866
9/14/2001	10/19/2001	1/10/2002	1639	35	0.9483	1.6278	1.463	0.3667	0	0.3530	0.3275	0.1643	0.1633
9/14/2001	10/19/2001	1/10/2002	1640	35	0.9506	1.8171	1.5371	0.3746	2	0.3576	0.5100	0.2315	0.2785
9/14/2001	10/19/2001	1/10/2002	1641	35	0.9517	1.4491	1.3741	0.3799	0	0.3657	0.1327	0.0593	0.0735
9/14/2001	10/19/2001	1/10/2002	1642	35	0.9559	1.4118	1.3533	0.3639	0	0.3503	0.1066	0.0497	0.0570
9/14/2001	10/19/2001	1/10/2002	1643	35	0.9575	1.4449	1.3773	0.3704	0	0.3565	0.1319	0.0658	0.0661
9/14/2001	10/19/2001	1/10/2002	1644	35	0.9478	1.4502	1.3769	0.366	0	0.3523	0.1511	0.0793	0.0718
10/19/2001	11/16/2001	1/15/2002	1861	28	0.9966	1.7179	1.6236	0.3977	0	0.3828	0.3396	0.2469	0.0927
10/19/2001	11/16/2001	1/15/2002	1862	28	0.9983	1.8398	1.6891	0.3977	0	0.3828	0.4598	0.3107	0.1491
10/19/2001	11/16/2001	1/15/2002	1863	28	0.9974	1.6862	1.6052	0.3975	0	0.3826	0.3073	0.2279	0.0794
10/19/2001	11/16/2001	1/15/2002	1864	28	0.9976	1.7257	1.6083	0.3994	0	0.3845	0.3447	0.2289	0.1158
10/19/2001	11/16/2001	1/15/2002	1865	28	0.9992	1.555	1.4839	0.4022	0	0.3872	0.1697	0.1002	0.0695
10/19/2001	11/16/2001	1/15/2002	1866	28	1.0011	1.5929	1.5052	0.4026	0	0.3875	0.2053	0.1193	0.0861
10/19/2001	11/16/2001	1/15/2002	1867	28	0.9986	1.4928	1.4487	0.4016	0	0.3866	0.1087	0.0662	0.0425
10/19/2001	11/16/2001	1/15/2002	1868	28	0.9942	1.5075	1.4568	0.4042	0	0.3891	0.1253	0.0762	0.0491
10/19/2001	11/16/2001	1/15/2002	1869	28	0.9895	1.4503	1.4074	0.4014	0	0.3864	0.0755	0.0342	0.0413
10/19/2001	11/16/2001	1/15/2002	1870	28	0.9971	1.4828	1.4314	0.4061	0	0.3909	0.0959	0.0461	0.0498
10/19/2001	11/16/2001	1/15/2002	1871	28	0.9975	1.5284	1.4522	0.4103	0	0.3950	0.1370	0.0624	0.0746
10/19/2001	11/16/2001	1/15/2002	1872	28	0.9986	1.5394	1.4442	0.398	0	0.3831	0.1588	0.0652	0.0936
11/16/2001	12/8/2001	1/31/2002	1945	22	1.0044	2.3386	1.9971	0.4041	0	0.3890	0.9463	0.6064	0.3399
11/16/2001	12/8/2001	1/31/2002	1946	22	1.0031	2.1063	1.886	0.4033	0	0.3882	0.7161	0.4974	0.2187
11/16/2001	12/8/2001	1/31/2002	1947	22	1.0001	1.7415	1.627	0.3982	0	0.3833	0.3592	0.2463	0.1129
11/16/2001	12/8/2001	1/31/2002	1948	22	0.9965	2.0334	1.8457	0.3995	0	0.3846	0.6534	0.4673	0.1861
11/16/2001	12/8/2001	1/31/2002	1949	22	0.9956	1.5305	1.4758	0.4002	0	0.3852	0.1508	0.0977	0.0531
11/16/2001	12/8/2001	1/31/2002	1950	22	1.0023	1.5562	1.4754	0.3974	0	0.3825	0.1725	0.0933	0.0792
11/16/2001	12/8/2001	1/31/2002	1951	22	0.9991	1.4673	1.4358	0.3964	0	0.3816	0.0877	0.0578	0.0299
11/16/2001	12/8/2001	1/31/2002	1952	22	0.9997	1.4633	1.4339	0.3967	0	0.3819	0.0828	0.0550	0.0278
11/16/2001	12/8/2001	1/31/2002	1953	22	1.0009	1.4814	1.417	0.3864	0	0.3719	0.1096	0.0469	0.0628
11/16/2001	12/8/2001	1/31/2002	1954	22	1.0007	1.4292	1.4105	0.3942	0	0.3795	0.0501	0.0330	0.0171
11/16/2001	12/8/2001	1/31/2002	1955	22	0.9978	1.4478	1.4209	0.4025	0	0.3874	0.0636	0.0383	0.0253
11/16/2001	12/8/2001	1/31/2002	1956	22	0.9942	1.471	1.4404	0.4036	0	0.3885	0.0894	0.0604	0.0290
12/8/2001	1/21/2002	2/14/2002	2005	44	0.9905	1.5243	1.395	0.4009	4	0.3799	0.1539	0.0246	0.1293
12/8/2001	1/21/2002	2/14/2002	2006	44	0.9907	1.3686	1.3579	0.4016	4	0.3805	-0.0026	-0.0133	0.0107
12/8/2001	1/21/2002	2/14/2002	2007	44	0.9928	1.4494	1.3592	0.4028	8	0.3756	0.0810	-0.0092	0.0902
12/8/2001	1/21/2002	2/14/2002	2008	44	0.9902	1.4156	1.3852	0.421	3	0.4007	0.0247	-0.0057	0.0304

Table B2: Sediment trap data

Site 418													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
12/8/2001	1/21/2002	2/14/2002	2009	44	0.9966	1.4426	1.4164	0.4189	0	0.4032	0.0428	0.0166	0.0262
12/8/2001	1/21/2002	2/14/2002	2010	44	0.9925	1.4389	1.4169	0.4225	2	0.4037	0.0427	0.0207	0.0220
12/8/2001	1/21/2002	2/14/2002	2011	44	0.9959	1.4087	1.3982	0.4154	1	0.3984	0.0144	0.0039	0.0105
12/8/2001	1/21/2002	2/14/2002	2012	44	0.9867	1.412	1.397	0.419	0	0.4033	0.0220	0.0070	0.0150
12/8/2001	1/21/2002	2/14/2002	2013	44	0.9878	1.4133	1.3942	0.4196	2	0.4009	0.0246	0.0055	0.0191
12/8/2001	1/21/2002	2/14/2002	2014	44	0.9872	1.3969	1.3788	0.4021	1	0.3855	0.0242	0.0061	0.0181
12/8/2001	1/21/2002	2/14/2002	2015	44	0.9913	1.425	1.4056	0.4206	2	0.4018	0.0319	0.0125	0.0194
12/8/2001	1/21/2002	2/14/2002	2016	44	0.9920	1.4713	1.4137	0.4029	0	0.3878	0.0915	0.0339	0.0576
1/21/2002	2/3/2002	4/1/2002	2089	13	0.9806	1.5099	1.4414	0.4163	0	0.4007	0.1286	0.0601	0.0685
1/21/2002	2/3/2002	4/1/2002	2090	13	0.9832	1.4602	1.4074	0.3942	2	0.3764	0.1006	0.0478	0.0528
1/21/2002	2/3/2002	4/1/2002	2091	13	0.9821	1.3863	1.3755	0.3934	1	0.3772	0.0270	0.0162	0.0108
1/21/2002	2/3/2002	4/1/2002	2092	13	0.9850	1.3875	1.375	0.3925	0	0.3778	0.0247	0.0122	0.0125
1/21/2002	2/3/2002	4/1/2002	2093	13	0.9790	1.4037	1.3846	0.3968	0	0.3820	0.0427	0.0236	0.0191
1/21/2002	2/3/2002	4/1/2002	2094	13	0.9725	1.4014	1.3807	0.4015	0	0.3865	0.0424	0.0217	0.0207
1/21/2002	2/3/2002	4/1/2002	2095	13	0.9787	1.4073	1.388	0.4006	0	0.3856	0.0430	0.0237	0.0193
1/21/2002	2/3/2002	4/1/2002	2096	13	0.9778	1.4151	1.39	0.4011	0	0.3861	0.0512	0.0261	0.0251
1/21/2002	2/3/2002	4/1/2002	2097	13	0.9809	1.3853	1.3767	0.4026	0	0.3875	0.0169	0.0083	0.0086
1/21/2002	2/3/2002	4/1/2002	2098	13	0.9792	1.413	1.3933	0.4117	1	0.3948	0.0390	0.0193	0.0197
1/21/2002	2/3/2002	4/1/2002	2099	13	0.9767	1.4194	1.3976	0.4083	1	0.3915	0.0512	0.0294	0.0218
1/21/2002	2/3/2002	4/1/2002	2100	13	0.9826	1.4359	1.4075	0.4135	0	0.3980	0.0553	0.0269	0.0284
2/3/2002	2/16/2002	4/8/2002	2245	13	0.9725	1.4861	1.4563	0.425	0	0.4091	0.1045	0.0747	0.0298
2/3/2002	2/16/2002	4/8/2002	2246	13	0.9739	1.5073	1.4517	0.4256	0	0.4097	0.1237	0.0681	0.0556
2/3/2002	2/16/2002	4/8/2002	2247	13	0.9737	1.4583	1.4276	0.4255	0	0.4096	0.0750	0.0443	0.0307
2/3/2002	2/16/2002	4/8/2002	2248	13	0.9724	1.4324	1.4209	0.4251	0	0.4092	0.0508	0.0393	0.0115
2/3/2002	2/16/2002	4/8/2002	2249	13	0.9724	1.5768	1.5144	0.4248	0	0.4089	0.1955	0.1331	0.0624
2/3/2002	2/16/2002	4/8/2002	2250	13	0.9676	1.6727	1.5809	0.4286	0	0.4126	0.2925	0.2007	0.0918
2/3/2002	2/16/2002	4/8/2002	2251	13	0.9751	1.9051	1.7869	0.4272	0	0.4112	0.5188	0.4006	0.1182
2/3/2002	2/16/2002	4/8/2002	2252	13	0.9686	1.8654	1.7508	0.43	1	0.4124	0.4844	0.3698	0.1146
2/3/2002	2/16/2002	4/8/2002	2253	13	0.9751	1.4416	1.4211	0.4228	0	0.4070	0.0595	0.0390	0.0205
2/3/2002	2/16/2002	4/8/2002	2254	13	0.9702	1.4378	1.4157	0.4248	0	0.4089	0.0587	0.0366	0.0221
2/3/2002	2/16/2002	4/8/2002	2255	13	0.9698	1.4615	1.4351	0.4243	0	0.4084	0.0833	0.0569	0.0264
2/3/2002	2/16/2002	4/8/2002	2256	13	0.9686	1.4351	1.4175	0.4246	0	0.4087	0.0578	0.0402	0.0176
2/16/2002	3/4/2002	4/9/2002	2389	16	0.9891	1.5062	1.4862	0.4278	0	0.4118	0.1053	0.0853	0.0200
2/16/2002	3/4/2002	4/9/2002	2390	16	0.9884	1.4815	1.4644	0.4269	1	0.4094	0.0837	0.0666	0.0171
2/16/2002	3/4/2002	4/9/2002	2391	16	0.9934	1.4795	1.4653	0.4283	0	0.4123	0.0738	0.0596	0.0142
2/16/2002	3/4/2002	4/9/2002	2392	16	0.9863	1.4763	1.464	0.4241	0	0.4082	0.0818	0.0695	0.0123
2/16/2002	3/4/2002	4/9/2002	2393	16	0.9953	1.4889	1.4618	0.4285	0	0.4125	0.0811	0.0540	0.0271
2/16/2002	3/4/2002	4/9/2002	2394	16	0.9716	1.5916	1.5331	0.4264	0	0.4105	0.2095	0.1510	0.0585
2/16/2002	3/4/2002	4/9/2002	2395	16	0.9828	1.7551	1.6614	0.4259	0	0.4100	0.3623	0.2686	0.0937
2/16/2002	3/4/2002	4/9/2002	2396	16	0.9779	1.6179	1.5471	0.4269	0	0.4109	0.2291	0.1583	0.0708
2/16/2002	3/4/2002	4/9/2002	2397	16	0.9791	1.4367	1.4196	0.425	0	0.4091	0.0485	0.0314	0.0171
2/16/2002	3/4/2002	4/9/2002	2398	16	0.9925	1.4366	1.4316	0.4254	0	0.4095	0.0346	0.0296	0.0050
2/16/2002	3/4/2002	4/9/2002	2399	16	0.9750	1.4423	1.4213	0.4252	0	0.4093	0.0580	0.0370	0.0210
2/16/2002	3/4/2002	4/9/2002	2400	16	0.9810	1.4362	1.4181	0.4227	0	0.4069	0.0483	0.0302	0.0181
3/4/2002	3/24/2002	4/25/2002	2605	20	0.9972	1.8868	1.654	0.4293	0	0.4132	0.4764	0.2436	0.2328
3/4/2002	3/24/2002	4/25/2002	2606	20	0.9970	1.6473	1.5626	0.4315	2	0.4123	0.2380	0.1533	0.0847
3/4/2002	3/24/2002	4/25/2002	2607	20	0.9941	1.7839	1.675	0.4299	1	0.4123	0.3775	0.2686	0.1089
3/4/2002	3/24/2002	4/25/2002	2608	20	0.9932	2.0597	1.8618	0.4283	2	0.4093	0.6572	0.4593	0.1979
3/4/2002	3/24/2002	4/25/2002	2609	20	1.0032	1.5571	1.5052	0.4305	2	0.4114	0.1425	0.0906	0.0519
3/4/2002	3/24/2002	4/25/2002	2610	20	1.0002	1.5874	1.5172	0.4314	0	0.4153	0.1719	0.1017	0.0702
3/4/2002	3/24/2002	4/25/2002	2611	20	0.9946	1.5417	1.4878	0.431	0	0.4149	0.1322	0.0783	0.0539
3/4/2002	3/24/2002	4/25/2002	2612	20	0.9890	1.5436	1.4924	0.4319	0	0.4157	0.1389	0.0877	0.0512
3/4/2002	3/24/2002	4/25/2002	2613	20	0.9915	1.4649	1.4375	0.4305	0	0.4144	0.0590	0.0316	0.0274

Table B2: Sediment trap data

Site 418													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/4/2002	**3/24/2002**	**4/25/2002**	**2614**	**20**	**1.0013**	**1.5011**	**1.4662**	**0.4298**	**0**	**0.4137**	**0.0861**	**0.0512**	**0.0349**
3/4/2002	**3/24/2002**	**4/25/2002**	**2615**	**20**	**1.0004**	**1.5356**	**1.4824**	**0.4309**	**0**	**0.4148**	**0.1204**	**0.0672**	**0.0532**
3/4/2002	**3/24/2002**	**4/25/2002**	**2616**	**20**	**0.9963**	**1.5755**	**1.4948**	**0.4336**	**1**	**0.4159**	**0.1633**	**0.0826**	**0.0807**
3/24/2002	4/26/2002	5/4/2002	2689	33	0.9641	1.9595	1.7626	0.4274	0	0.4114	0.5840	0.3871	0.1969
3/24/2002	4/26/2002	5/4/2002	2690	33	0.9677	2.0745	1.8895	0.4249	0	0.4090	0.6978	0.5128	0.1850
3/24/2002	4/26/2002	5/4/2002	2691	33	0.9684	3.8554	3.1547	0.4275	2	0.4085	2.4785	1.7778	0.7007
3/24/2002	4/26/2002	5/4/2002	2692	33	0.9644	2.0238	1.8377	0.4247	1	0.4073	0.6521	0.4660	0.1861
3/24/2002	4/26/2002	5/4/2002	2693	33	0.9625	2.6998	2.2875	0.4261	0	0.4102	1.3271	0.9148	0.4123
3/24/2002	4/26/2002	5/4/2002	2694	33	0.9677	1.9366	1.697	0.4243	0	0.4084	0.5605	0.3209	0.2396
3/24/2002	4/26/2002	5/4/2002	2695	33	0.9733	1.6139	1.5186	0.4273	2	0.4083	0.2323	0.1370	0.0953
3/24/2002	4/26/2002	5/4/2002	2696	33	0.9711	1.6721	1.5628	0.4284	0	0.4124	0.2886	0.1793	0.1093
3/24/2002	4/26/2002	5/4/2002	2697	33	0.9673	1.4689	1.4122	0.4293	0	0.4132	0.0884	0.0317	0.0567
3/24/2002	4/26/2002	5/4/2002	2698	33	0.9638	1.4629	1.4106	0.4278	0	0.4118	0.0873	0.0350	0.0523
3/24/2002	4/26/2002	5/4/2002	2699	33	0.9654	1.627	1.4758	0.4254	0	0.4095	0.2521	0.1009	0.1512
3/24/2002	4/26/2002	5/4/2002	2700	33	0.9659	1.5739	1.4558	0.4283	0	0.4123	0.1957	0.0776	0.1181
4/26/2002	5/31/2002	6/5/2002	2833	35	0.9546	1.4462	1.4209	0.4227	1	0.4054	0.0862	0.0609	0.0253
4/26/2002	5/31/2002	6/5/2002	2834	35	0.9532	1.5331	1.4739	0.4265	0	0.4105	0.1694	0.1102	0.0592
4/26/2002	5/31/2002	6/5/2002	2835	35	0.9544	3.2178	2.7364	0.4256	2	0.4067	1.8567	1.3753	0.4814
4/26/2002	5/31/2002	6/5/2002	2836	35	0.9533	1.6004	1.5098	0.4262	7	0.3997	0.2474	0.1568	0.0906
4/26/2002	5/31/2002	6/5/2002	2837	35	0.9515	1.9083	1.6298	0.4266	0	0.4106	0.5462	0.2677	0.2785
4/26/2002	5/31/2002	6/5/2002	2838	35	0.9507	1.5849	1.4633	0.425	0	0.4091	0.2251	0.1035	0.1216
4/26/2002	5/31/2002	6/5/2002	2839	35	0.9530	1.4872	1.4182	0.4275	6	0.4024	0.1318	0.0628	0.0690
4/26/2002	5/31/2002	6/5/2002	2840	35	0.9541	1.5651	1.4608	0.4276	0	0.4116	0.1994	0.0951	0.1043
4/26/2002	5/31/2002	6/5/2002	2841	35	0.9541	1.3961	1.3483	0.4281	0	0.4121	0.0299	-0.0179	0.0478
4/26/2002	5/31/2002	6/5/2002	2842	35	0.9578	1.5145	1.414	0.4259	3	0.4054	0.1513	0.0508	0.1005
4/26/2002	5/31/2002	6/5/2002	2843	35	0.9528	1.5483	1.4267	0.4254	0	0.4095	0.1860	0.0644	0.1216
4/26/2002	5/31/2002	6/5/2002	2844	35	0.9545	1.6332	1.4705	0.4255	0	0.4096	0.2691	0.1064	0.1627
5/31/2002	7/12/2002	7/16/2002	2989	42	0.9691	1.5056	1.4385	0.4346	1	0.4168	0.1197	0.0526	0.0671
5/31/2002	7/12/2002	7/16/2002	2990	42	0.9703	1.7787	1.5805	0.4352	0	0.4189	0.3895	0.1913	0.1982
5/31/2002	7/12/2002	7/16/2002	2991	42	0.9710	1.6854	1.5575	0.4366	0	0.4203	0.2941	0.1662	0.1279
5/31/2002	7/12/2002	7/16/2002	2992	42	0.9707	1.8936	1.6518	0.4353	0	0.4190	0.5039	0.2621	0.2418
5/31/2002	7/12/2002	7/16/2002	2993	42	0.9714	1.5059	1.4271	0.4348	0	0.4185	0.1160	0.0372	0.0788
5/31/2002	7/12/2002	7/16/2002	2994	42	0.9722	1.5428	1.4312	0.4293	0	0.4132	0.1574	0.0458	0.1116
5/31/2002	7/12/2002	7/16/2002	2995	42	0.9718	1.5456	1.4331	0.4273	0	0.4113	0.1625	0.0500	0.1125
5/31/2002	7/12/2002	7/16/2002	2996	42	0.9760	1.5576	1.4641	0.4276	0	0.4116	0.1700	0.0765	0.0935
5/31/2002	7/12/2002	7/16/2002	2997	42	0.9705	1.6975	1.5182	0.427	1	0.4095	0.3175	0.1382	0.1793
5/31/2002	7/12/2002	7/16/2002	2998	42	0.9773	1.7038	1.5068	0.4309	0	0.4148	0.3117	0.1147	0.1970
5/31/2002	7/12/2002	7/16/2002	2999	42	0.9716	5.044	3.3856	0.4272	0	0.4112	3.6612	2.0028	1.6584
5/31/2002	7/12/2002	7/16/2002	3000	42	0.9714	7.5845	4.775	0.7282	6	0.6919	5.9212	3.1117	2.8095
7/12/2002	8/13/2002	8/15/2002	3145	32	0.9641	1.4338	1.3987	0.4286	0	0.4126	0.0571	0.0220	0.0351
7/12/2002	8/13/2002	8/15/2002	3146	32	0.9600	1.5398	1.4327	0.4256	1	0.4082	0.1716	0.0645	0.1071
7/12/2002	8/13/2002	8/15/2002	3147	32	0.9679	1.6498	1.4597	0.4318	0	0.4157	0.2662	0.0761	0.1901
7/12/2002	8/13/2002	8/15/2002	3148	32	0.9680	1.6481	1.4721	0.4326	0	0.4164	0.2637	0.0877	0.1760
7/12/2002	8/13/2002	8/15/2002	3149	32	0.9725	1.4514	1.4098	0.4331	2	0.4139	0.0650	0.0234	0.0416
7/12/2002	8/13/2002	8/15/2002	3150	32	0.9769	1.7789	1.6127	0.4261	0	0.4102	0.3918	0.2256	0.1662
7/12/2002	8/13/2002	8/15/2002	3151	32	0.9702	1.451	1.408	0.4292	0	0.4131	0.0677	0.0247	0.0430
7/12/2002	8/13/2002	8/15/2002	3152	32	0.9669	1.4754	1.4153	0.4274	0	0.4114	0.0971	0.0370	0.0601
7/12/2002	8/13/2002	8/15/2002	3153	32	0.9682	1.4628	1.4105	0.4323	1	0.4146	0.0800	0.0277	0.0523
7/12/2002	8/13/2002	8/15/2002	3154	32	0.9696	1.5391	1.4477	0.4314	0	0.4153	0.1542	0.0628	0.0914
7/12/2002	8/13/2002	8/15/2002	3155	32	0.9674	1.6254	1.4724	0.4268	2	0.4078	0.2502	0.0972	0.1530
7/12/2002	8/13/2002	8/15/2002	3156	32	0.9702	1.6852	1.5438	0.4321	0	0.4159	0.2991	0.1577	0.1414

Table B2: Sediment trap data

Site 419													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/9/2001	2/20/2001	2/28/2001	193	11	31.6819	32.0758	32.0574	0.3858	0	0.3714	0.0225	0.0041	0.0184
2/9/2001	2/20/2001	2/28/2001	194	11	30.5142	30.9229	30.8907	0.3887	0	0.3742	0.0345	0.0023	0.0322
2/9/2001	2/20/2001	2/28/2001	195	11	31.0488	31.4428	31.4308	0.3888	0	0.3743	0.0197	0.0077	0.0120
2/9/2001	2/20/2001	2/28/2001	196	11	31.1814	31.5648	31.5545	0.3782	0	0.3641	0.0193	0.0090	0.0103
2/9/2001	2/20/2001	2/28/2001	197	11	31.5379	31.9161	31.9112	0.3787	0	0.3645	0.0137	0.0088	0.0049
2/9/2001	2/20/2001	2/28/2001	198	11	30.1811	30.5668	30.5629	0.3924	0	0.3777	0.0080	0.0041	0.0039
2/9/2001	2/20/2001	2/28/2001	199	11	30.4481	30.8383	30.8334	0.392	0	0.3773	0.0129	0.0080	0.0049
2/9/2001	2/20/2001	2/28/2001	200	11	30.7575	31.1382	31.1342	0.3876	0	0.3731	0.0076	0.0036	0.0040
2/9/2001	2/20/2001	2/28/2001	201	11	32.0339	32.4239	32.42	0.3938	0	0.3791	0.0109	0.0070	0.0039
2/9/2001	2/20/2001	2/28/2001	202	11	32.0834	32.4774	32.4718	0.394	0	0.3793	0.0147	0.0091	0.0056
2/9/2001	2/20/2001	2/28/2001	203	11	28.1011	28.4909	28.4882	0.3993	0	0.3844	0.0054	0.0027	0.0027
2/9/2001	2/20/2001	2/28/2001	204	11	30.6816	31.0736	31.0699	0.3969	0	0.3821	0.0099	0.0062	0.0037
2/20/2001	3/2/2001	3/8/2001	241	10	30.1577	30.5561	30.5492	0.4052	0	0.3900	0.0084	0.0015	0.0069
2/20/2001	3/2/2001	3/8/2001	242	10	31.6511	32.0472	32.0442	0.408	0	0.3927	0.0034	0.0004	0.0030
2/20/2001	3/2/2001	3/8/2001	243	10	29.8745	30.2866	30.2694	0.407	0	0.3918	0.0203	0.0031	0.0172
2/20/2001	3/2/2001	3/8/2001	244	10	32.0326	32.4163	32.4152	0.4008	0	0.3858	-0.0021	-0.0032	0.0011
2/20/2001	3/2/2001	3/8/2001	245	10	30.1810	30.5492	30.5481	0.3971	0	0.3822	-0.0140	-0.0151	0.0011
2/20/2001	3/2/2001	3/8/2001	246	10	30.6791	31.036	31.04	0.3941	0	0.3794	-0.0225	-0.0185	-0.0040
2/20/2001	3/2/2001	3/8/2001	247	10	31.8326	32.2075	32.2064	0.3942	0	0.3795	-0.0046	-0.0057	0.0011
2/20/2001	3/2/2001	3/8/2001	248	10	30.3104	30.6692	30.6681	0.3956	0	0.3808	-0.0220	-0.0231	0.0011
2/20/2001	3/2/2001	3/8/2001	249	10	30.8099	31.2009	31.196	0.3988	0	0.3839	0.0071	0.0022	0.0049
2/20/2001	3/2/2001	3/8/2001	250	10	30.7734	31.1383	31.1348	0.4001	0	0.3851	-0.0202	-0.0237	0.0035
2/20/2001	3/2/2001	3/8/2001	251	10	30.4863	30.871	30.8669	0.4039	0	0.3888	-0.0041	-0.0082	0.0041
2/20/2001	3/2/2001	3/8/2001	252	10	31.7486	32.123	32.1233	0.4035	0	0.3884	-0.0140	-0.0137	-0.0003
3/2/2001	**3/16/2001**	**4/2/2001**	**469**	**14**	**0.9987**	**1.5242**	**1.4517**	**0.382**	**6.5**	**0.3579**	**0.1687**	**0.0978**	**0.0709**
3/2/2001	**3/16/2001**	**4/2/2001**	**470**	**14**	**0.9995**	**1.7957**	**1.5163**	**0.3905**	**3.5**	**0.3706**	**0.4267**	**0.1489**	**0.2778**
3/2/2001	**3/16/2001**	**4/2/2001**	**471**	**14**	**1.0003**	**1.4602**	**1.4257**	**0.3822**	**3.5**	**0.3626**	**0.0984**	**0.0655**	**0.0329**
3/2/2001	**3/16/2001**	**4/2/2001**	**472**	**14**	**1.0024**	**1.3942**	**1.3786**	**0.3809**	**2**	**0.3636**	**0.0293**	**0.0153**	**0.0140**
3/2/2001	**3/16/2001**	**4/2/2001**	**473**	**14**	**1.0003**	**1.4588**	**1.4377**	**0.381**	**2**	**0.3637**	**0.0959**	**0.0764**	**0.0195**
3/2/2001	**3/16/2001**	**4/2/2001**	**474**	**14**	**0.9977**	**1.4946**	**1.4689**	**0.382**	**3**	**0.3632**	**0.1348**	**0.1107**	**0.0241**
3/2/2001	**3/16/2001**	**4/2/2001**	**475**	**14**	**0.9996**	**1.4758**	**1.4499**	**0.3806**	**4**	**0.3603**	**0.1170**	**0.0927**	**0.0243**
3/2/2001	**3/16/2001**	**4/2/2001**	**476**	**14**	**0.9984**	**1.5239**	**1.4852**	**0.3786**	**4**	**0.3584**	**0.1682**	**0.1311**	**0.0371**
3/2/2001	**3/16/2001**	**4/2/2001**	**477**	**14**	**0.9959**	**1.4314**	**1.4127**	**0.3788**	**7**	**0.3540**	**0.0825**	**0.0654**	**0.0171**
3/2/2001	**3/16/2001**	**4/2/2001**	**478**	**14**	**0.9973**	**1.4252**	**1.411**	**0.3781**	**1**	**0.3624**	**0.0665**	**0.0539**	**0.0126**
3/2/2001	**3/16/2001**	**4/2/2001**	**479**	**14**	**0.9972**	**1.451**	**1.4248**	**0.3787**	**4**	**0.3585**	**0.0964**	**0.0718**	**0.0246**
3/2/2001	**3/16/2001**	**4/2/2001**	**480**	**14**	**0.9990**	**1.43**	**1.4136**	**0.379**	**3**	**0.3603**	**0.0718**	**0.0570**	**0.0148**
3/16/2001	**3/30/2001**	**5/8/2001**	**565**	**14**	**1.0001**	**1.4845**	**1.4511**	**0.389**	**2**	**0.3714**	**0.1141**	**0.0823**	**0.0318**
3/16/2001	**3/30/2001**	**5/8/2001**	**566**	**14**	**1.0081**	**1.4512**	**1.4368**	**0.3785**	**5**	**0.3568**	**0.0874**	**0.0746**	**0.0128**
3/16/2001	**3/30/2001**	**5/8/2001**	**567**	**14**	**0.9974**	**2.1315**	**1.669**	**0.3848**	**0**	**0.3704**	**0.7648**	**0.3039**	**0.4609**
3/16/2001	**3/30/2001**	**5/8/2001**	**568**	**14**	**0.9951**	**1.9917**	**1.6525**	**0.388**	**0**	**0.3735**	**0.6242**	**0.2866**	**0.3376**
3/16/2001	**3/30/2001**	**5/8/2001**	**569**	**14**	**1.0215**	**1.4608**	**1.4441**	**0.3852**	**1**	**0.3693**	**0.0711**	**0.0561**	**0.0151**
3/16/2001	**3/30/2001**	**5/8/2001**	**570**	**14**	**0.9968**	**1.4383**	**1.4205**	**0.3899**	**0**	**0.3753**	**0.0673**	**0.0511**	**0.0162**
3/16/2001	**3/30/2001**	**5/8/2001**	**571**	**14**	**1.0127**	**1.4789**	**1.4578**	**0.3962**	**0.5**	**0.3806**	**0.0867**	**0.0672**	**0.0195**
3/16/2001	**3/30/2001**	**5/8/2001**	**572**	**14**	**1.0251**	**1.4884**	**1.4681**	**0.3924**	**0**	**0.3777**	**0.0867**	**0.0680**	**0.0186**
3/16/2001	**3/30/2001**	**5/8/2001**	**573**	**14**	**1.0084**	**1.4413**	**1.4269**	**0.3939**	**0**	**0.3792**	**0.0548**	**0.0421**	**0.0128**
3/16/2001	**3/30/2001**	**5/8/2001**	**574**	**14**	**1.0205**	**1.4779**	**1.4456**	**0.3915**	**0.5**	**0.3761**	**0.0824**	**0.0518**	**0.0307**
3/16/2001	**3/30/2001**	**5/8/2001**	**575**	**14**	**1.0202**	**1.4592**	**1.4432**	**0.3896**	**0**	**0.3750**	**0.0651**	**0.0507**	**0.0144**
3/16/2001	**3/30/2001**	**5/8/2001**	**576**	**14**	**1.0208**	**1.4189**	**1.4048**	**0.3892**	**11**	**0.3580**	**0.0412**	**0.0287**	**0.0125**
3/30/2001	4/20/2001	5/23/2001	781	21	0.9836	1.4442	1.437	0.451	0	0.4341	0.0275	0.0219	0.0056
3/30/2001	4/20/2001	5/23/2001	782	21	0.9842	1.4455	1.4368	0.4537	0	0.4367	0.0256	0.0185	0.0071
3/30/2001	4/20/2001	5/23/2001	783	21	0.9835	1.478	1.4432	0.4545	0	0.4375	0.0581	0.0249	0.0332
3/30/2001	4/20/2001	5/23/2001	784	21	0.9826	1.4525	1.4402	0.4571	0	0.4400	0.0310	0.0202	0.0107
3/30/2001	4/20/2001	5/23/2001	785	21	0.9851	1.4941	1.4626	0.454	0.5	0.4363	0.0738	0.0439	0.0299
3/30/2001	4/20/2001	5/23/2001	786	21	0.9848	1.4909	1.4576	0.4506	0	0.4337	0.0734	0.0417	0.0317

Table B2: Sediment trap data

Site 419													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/30/2001	4/20/2001	5/23/2001	787	21	0.9825	1.4679	1.4436	0.4528	1	0.4344	0.0521	0.0294	0.0227
3/30/2001	4/20/2001	5/23/2001	788	21	0.9848	1.4838	1.4527	0.4504	1	0.4320	0.0680	0.0385	0.0295
3/30/2001	4/20/2001	5/23/2001	789	21	0.9867	1.4641	1.4417	0.4487	0	0.4319	0.0466	0.0257	0.0208
3/30/2001	4/20/2001	5/23/2001	790	21	0.9827	1.4531	1.4296	0.445	0	0.4284	0.0431	0.0212	0.0219
3/30/2001	4/20/2001	5/23/2001	791	21	0.9888	1.4525	1.4313	0.4417	0.5	0.4244	0.0404	0.0207	0.0196
3/30/2001	4/20/2001	5/23/2001	792	21	0.9854	1.4646	1.4388	0.4512	0	0.4343	0.0459	0.0217	0.0242
4/20/2001	5/18/2001	6/14/2001	793	28	0.9785	1.6183	1.445	0.4515	1.5	0.4323	0.2085	0.0368	0.1717
4/20/2001	5/18/2001	6/14/2001	794	28	0.9768	1.6162	1.442	0.4461	0	0.4294	0.2110	0.0384	0.1726
4/20/2001	5/18/2001	6/14/2001	795	28	0.9784	1.4458	1.4172	0.4458	0.5	0.4284	0.0401	0.0131	0.0270
4/20/2001	5/18/2001	6/14/2001	796	28	0.9778	1.4399	1.4115	0.4453	3.5	0.4234	0.0398	0.0130	0.0268
4/20/2001	5/18/2001	6/14/2001	797	28	0.9798	1.64	1.4481	0.4475	0	0.4308	0.2305	0.0402	0.1903
4/20/2001	5/18/2001	6/14/2001	798	28	0.9786	1.5492	1.4362	0.4451	0	0.4285	0.1432	0.0318	0.1114
4/20/2001	5/18/2001	6/14/2001	799	28	0.9774	1.5768	1.431	0.4433	2	0.4237	0.1768	0.0325	0.1442
4/20/2001	5/18/2001	6/14/2001	800	28	0.9753	1.6235	1.4438	0.4413	1	0.4233	0.2260	0.0479	0.1781
4/20/2001	5/18/2001	6/14/2001	801	28	0.9779	1.4821	1.4247	0.4496	2	0.4298	0.0755	0.0197	0.0558
4/20/2001	5/18/2001	6/14/2001	802	28	0.9797	1.4921	1.4308	0.45	0	0.4332	0.0803	0.0206	0.0597
4/20/2001	5/18/2001	6/14/2001	803	28	0.9782	1.4655	1.4242	0.4483	0	0.4315	0.0568	0.0171	0.0397
4/20/2001	5/18/2001	6/14/2001	804	28	0.9778	1.4381	1.4066	0.4414	0	0.4249	0.0365	0.0065	0.0299
5/18/2001	6/14/2001	7/12/2001	1009	27	0.9758	1.3114	1.2684	0.3897	22	0.3419	-0.0052	-0.0466	0.0414
5/18/2001	6/14/2001	7/12/2001	1010	27	0.9779	1.3725	1.3094	0.388	39	0.3145	0.0812	0.0196	0.0615
5/18/2001	6/14/2001	7/12/2001	1011	27	0.9772	1.3186	1.2741	0.3937	34	0.3276	0.0149	-0.0280	0.0429
5/18/2001	6/14/2001	7/12/2001	1012	27	0.9796	1.3658	1.3378	0.3925	15	0.3551	0.0321	0.0057	0.0264
5/18/2001	6/14/2001	7/12/2001	1013	27	0.9740	1.3811	1.3512	0.39	3	0.3709	0.0373	0.0090	0.0283
5/18/2001	6/14/2001	7/12/2001	1014	27	0.9726	1.3675	1.3402	0.3895	11	0.3583	0.0377	0.0119	0.0257
5/18/2001	6/14/2001	7/12/2001	1015	27	0.9756	1.3659	1.3416	0.3878	7	0.3627	0.0287	0.0059	0.0227
5/18/2001	6/14/2001	7/12/2001	1016	27	0.9725	1.3257	1.2984	0.3905	27	0.3351	0.0192	-0.0065	0.0257
5/18/2001	6/14/2001	7/12/2001	1017	27	0.9767	1.3814	1.3562	0.3881	2	0.3706	0.0352	0.0116	0.0236
5/18/2001	6/14/2001	7/12/2001	1018	27	0.9768	1.3557	1.3299	0.3876	2	0.3701	0.0099	-0.0143	0.0242
5/18/2001	6/14/2001	7/12/2001	1019	27	0.9798	1.3671	1.3434	0.3882	2	0.3707	0.0177	-0.0044	0.0221
5/18/2001	6/14/2001	7/12/2001	1020	27	0.9803	1.2931	1.2846	0.3879	10	0.3583	-0.0444	-0.0513	0.0069
6/14/2001	7/11/2001	7/17/2001	1117	27	0.9820	1.524	1.418	0.4104	2	0.3920	0.1510	0.0466	0.1044
6/14/2001	7/11/2001	7/17/2001	1118	27	0.9788	1.4906	1.4066	0.4117	1	0.3948	0.1181	0.0357	0.0824
6/14/2001	7/11/2001	7/17/2001	1119	27	0.9770	1.5666	1.4297	0.4123	1	0.3954	0.1953	0.0600	0.1353
6/14/2001	7/11/2001	7/17/2001	1120	27	0.9766	1.491	1.4068	0.4161	0	0.4005	0.1149	0.0323	0.0826
6/14/2001	7/11/2001	7/17/2001	1121	27	0.9774	1.3898	1.3808	0.4193	0	0.4036	0.0098	0.0024	0.0074
6/14/2001	7/11/2001	7/17/2001	1122	27	0.9768	1.3999	1.386	0.4224	0	0.4066	0.0176	0.0052	0.0123
6/14/2001	7/11/2001	7/17/2001	1123	27	0.9784	1.3869	1.3787	0.4211	3	0.4008	0.0088	0.0021	0.0066
6/14/2001	7/11/2001	7/17/2001	1124	27	0.9791	1.3876	1.38	0.4238	1	0.4064	0.0031	-0.0029	0.0060
6/14/2001	7/11/2001	7/17/2001	1125	27	0.9799	1.4024	1.3927	0.4279	0	0.4119	0.0117	0.0035	0.0081
6/14/2001	7/11/2001	7/17/2001	1126	27	0.9750	1.398	1.3876	0.4274	1	0.4099	0.0142	0.0053	0.0088
6/14/2001	7/11/2001	7/17/2001	1127	27	0.9786	1.3849	1.3796	0.4254	3	0.4050	0.0024	-0.0013	0.0037
6/14/2001	7/11/2001	7/17/2001	1128	27	0.9776	1.3855	1.38	0.4224	2	0.4036	0.0054	0.0015	0.0039
7/11/2001	8/20/2001	9/20/2001	1261	40	0.9852	1.5045	1.3818	0.3929	1	0.3767	0.1437	0.0226	0.1211
7/11/2001	8/20/2001	9/20/2001	1262	40	0.9757	1.5066	1.3856	0.3954	2	0.3776	0.1544	0.0349	0.1194
7/11/2001	8/20/2001	9/20/2001	1263	40	0.9769	3.7129	2.0213	0.3984	5	0.3759	2.3611	0.6711	1.6900
7/11/2001	8/20/2001	9/20/2001	1264	40	0.9770	2.8543	1.7767	0.398	35	0.3302	1.5482	0.4722	1.0760
7/11/2001	8/20/2001	9/20/2001	1265	40	0.9779	1.3684	1.3441	0.4011	8	0.3740	0.0176	-0.0052	0.0227
7/11/2001	8/20/2001	9/20/2001	1266	40	0.9758	1.3638	1.3352	0.3972	3	0.3778	0.0113	-0.0158	0.0270
7/11/2001	8/20/2001	9/20/2001	1267	40	0.9728	1.3601	1.3328	0.3931	7	0.3678	0.0205	-0.0052	0.0257
7/11/2001	8/20/2001	9/20/2001	1268	40	0.9847	1.3869	1.3466	0.3966	1	0.3803	0.0230	-0.0157	0.0387
7/11/2001	8/20/2001	9/20/2001	1269	40	0.9789	1.3868	1.3545	0.3972	3	0.3778	0.0312	0.0004	0.0307
7/11/2001	8/20/2001	9/20/2001	1270	40	0.9764	1.4108	1.3525	0.3993	7	0.3738	0.0617	0.0050	0.0567
7/11/2001	8/20/2001	9/20/2001	1271	40	0.9778	1.301	1.2797	0.3987	26	0.3445	-0.0202	-0.0399	0.0197

Table B2: Sediment trap data

Site 419													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
7/11/2001	8/20/2001	9/20/2001	1272	40	0.9718	1.4341	1.3749	0.3925	1	0.3763	0.0870	0.0294	0.0576
8/20/2001	9/14/2001	10/10/2001	1465	25	0.9747	1.5215	1.3868	0.4012	1	0.3847	0.1632	0.0300	0.1331
8/20/2001	9/14/2001	10/10/2001	1466	25	0.9734	1.5264	1.3924	0.4018	0	0.3868	0.1673	0.0349	0.1324
8/20/2001	9/14/2001	10/10/2001	1467	25	0.9755	2.0767	1.5019	0.4053	1	0.3886	0.7136	0.1404	0.5732
8/20/2001	9/14/2001	10/10/2001	1468	25	0.9769	1.6554	1.4141	0.4015	1	0.3850	0.2946	0.0549	0.2397
8/20/2001	9/14/2001	10/10/2001	1469	25	0.9741	1.3904	1.3408	0.4035	14	0.3672	0.0501	0.0021	0.0480
8/20/2001	9/14/2001	10/10/2001	1470	25	0.9746	1.4339	1.3882	0.4037	4	0.3826	0.0778	0.0337	0.0441
8/20/2001	9/14/2001	10/10/2001	1471	25	0.9723	1.3608	1.3423	0.4023	2	0.3842	0.0053	-0.0116	0.0169
8/20/2001	9/14/2001	10/10/2001	1472	25	0.9741	1.377	1.3514	0.4035	3	0.3839	0.0201	-0.0039	0.0240
8/20/2001	9/14/2001	10/10/2001	1473	25	0.9759	1.3655	1.3468	0.4039	3	0.3843	0.0064	-0.0107	0.0171
8/20/2001	9/14/2001	10/10/2001	1474	25	0.9759	1.3559	1.3405	0.4028	1	0.3862	-0.0052	-0.0190	0.0138
8/20/2001	9/14/2001	10/10/2001	1475	25	0.9758	1.3319	1.3136	0.404	14	0.3677	-0.0106	-0.0273	0.0167
8/20/2001	9/14/2001	10/10/2001	1476	25	0.9760	1.3204	1.3087	0.4028	15	0.3651	-0.0196	-0.0297	0.0101
9/14/2001	11/1/2001	1/5/2001	1657	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1658	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1659	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1660	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1661	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1662	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1663	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1664	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1665	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1666	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1667	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
9/14/2001	11/1/2001	1/5/2001	1668	48	NV	NV	NV	NV	NV	NV	NV	NV	NV
11/1/2001	11/16/2001	1/24/2002	1897	15	1.0020	1.5024	1.4531	0.4085	0	0.3932	0.1083	0.0606	0.0477
11/1/2001	11/16/2001	1/24/2002	1898	15	1.0007	1.5059	1.4538	0.4045	0	0.3894	0.1169	0.0664	0.0505
11/1/2001	11/16/2001	1/24/2002	1899	15	0.9996	1.6342	1.4722	0.4035	0	0.3884	0.2473	0.0869	0.1604
11/1/2001	11/16/2001	1/24/2002	1900	15	0.9989	1.5865	1.5158	0.4048	0	0.3897	0.1990	0.1299	0.0691
11/1/2001	11/16/2001	1/24/2002	1901	15	0.9958	1.4674	1.4286	0.4067	0	0.3746	0.0685	0.0327	0.0359
11/1/2001	11/16/2001	1/24/2002	1902	15	1.0002	1.4733	1.4362	0.4065	0	0.3904	0.0481	0.0280	0.0201
11/1/2001	11/16/2001	1/24/2002	1903	15	1.0034	1.4585	1.4291	0.4091	0	0.3719	0.0684	0.0376	0.0309
11/1/2001	11/16/2001	1/24/2002	1904	15	1.0032	1.4585	1.4142	0.3869	0	0.3717	0.0401	0.0213	0.0188
11/1/2001	11/16/2001	1/24/2002	1905	15	1.0007	1.4428	1.4053	0.3892	0	0.3915	0.0812	0.0440	0.0372
11/1/2001	11/16/2001	1/24/2002	1906	15	1.0009	1.4383	1.4166	0.4056	0	0.3913	0.0829	0.0474	0.0355
11/1/2001	11/16/2001	1/24/2002	1907	15	1.0020	1.4413	1.4088	0.3864	0	0.3938	0.0624	0.0346	0.0278
11/1/2001	11/16/2001	1/24/2002	1908	15	0.9978	1.4085	1.3881	0.3861	0	0.3724	0.0840	0.0413	0.0427
11/16/2001	12/8/2001	1/24/2002	1909	22	1.0049	1.4259	1.4039	0.4012	0	0.3862	0.0359	0.0155	0.0204
11/16/2001	12/8/2001	1/24/2002	1910	22	1.0077	1.4906	1.4256	0.4013	0	0.3863	0.0977	0.0343	0.0634
11/16/2001	12/8/2001	1/24/2002	1911	22	1.0094	1.4666	1.4309	0.3993	0	0.3844	0.0739	0.0399	0.0341
11/16/2001	12/8/2001	1/24/2002	1912	22	1.0071	1.4834	1.4173	0.3991	0	0.3842	0.0932	0.0287	0.0645
11/16/2001	12/8/2001	1/24/2002	1913	22	1.0018	1.4418	1.4109	0.3969	0	0.3821	0.0590	0.0297	0.0293
11/16/2001	12/8/2001	1/24/2002	1914	22	1.0074	1.4285	1.4076	0.3924	0	0.3777	0.0445	0.0252	0.0193
11/16/2001	12/8/2001	1/24/2002	1915	22	0.9996	1.4215	1.3945	0.3918	0	0.3771	0.0458	0.0205	0.0254
11/16/2001	12/8/2001	1/24/2002	1916	22	0.9981	1.4672	1.4191	0.3918	0	0.3771	0.0930	0.0465	0.0465
11/16/2001	12/8/2001	1/24/2002	1917	22	1.0005	1.4195	1.3978	0.3968	0	0.3820	0.0381	0.0180	0.0201
11/16/2001	12/8/2001	1/24/2002	1918	22	0.9991	1.4006	1.3865	0.3964	0	0.3816	0.0210	0.0085	0.0125
11/16/2001	12/8/2001	1/24/2002	1919	22	0.9978	1.4193	1.3988	0.4011	0	0.3861	0.0365	0.0176	0.0189
11/16/2001	12/8/2001	1/24/2002	1920	22	0.9987	1.4194	1.4016	0.4018	0	0.3868	0.0350	0.0188	0.0162
12/8/2001	1/21/2002	1/30/2002	1981	44	1.0043	1.4039	1.3843	0.4197	3	0.3995	0.0012	-0.0168	0.0180
12/8/2001	1/21/2002	1/30/2002	1982	44	1.0083	1.5671	1.3933	0.4130	5	0.3900	0.1699	-0.0023	0.1722
12/8/2001	1/21/2002	1/30/2002	1983	44	1.0010	1.4408	1.3937	0.4235	1	0.4061	0.0347	-0.0107	0.0455
12/8/2001	1/21/2002	1/30/2002	1984	44	1.0020	1.4400	1.3934	0.4180	0	0.4024	0.0367	-0.0083	0.0450

Table B2: Sediment trap data

Site 419													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
12/8/2001	1/21/2002	1/30/2002	1985	44	1.0061	1.4184	1.4026	0.4182	1	0.4010	0.0123	-0.0018	0.0142
12/8/2001	1/21/2002	1/30/2002	1986	44	1.0052	1.4448	1.4027	0.4122	1	0.3953	0.0454	0.0049	0.0405
12/8/2001	1/21/2002	1/30/2002	1987	44	1.0006	1.3984	1.3893	0.4158	0	0.4002	-0.0014	-0.0088	0.0075
12/8/2001	1/21/2002	1/30/2002	1988	44	0.9964	1.4093	1.3950	0.4167	0	0.4011	0.0129	0.0002	0.0127
12/8/2001	1/21/2002	1/30/2002	1989	44	0.9980	1.4236	1.3918	0.4156	0	0.4001	0.0266	-0.0036	0.0302
12/8/2001	1/21/2002	1/30/2002	1990	44	1.0015	1.4323	1.3970	0.4162	0	0.4006	0.0313	-0.0024	0.0337
12/8/2001	1/21/2002	1/30/2002	1991	44	0.9984	1.4120	1.3982	0.4177	0	0.4021	0.0126	0.0004	0.0122
12/8/2001	1/21/2002	1/30/2002	1992	44	1.0011	1.4179	1.3756	0.4123	4	0.3908	0.0271	-0.0136	0.0407
1/21/2002	2/3/2002	2/19/2002	2065	13	0.9874	1.3804	1.3748	0.4005	0	0.3855	0.0075	0.0019	0.0056
1/21/2002	2/3/2002	2/19/2002	2066	13	0.9885	1.3869	1.3812	0.4034	0	0.3883	0.0101	0.0044	0.0057
1/21/2002	2/3/2002	2/19/2002	2067	13	0.9894	1.3718	1.3632	0.3843	0	0.3699	0.0125	0.0039	0.0086
1/21/2002	2/3/2002	2/19/2002	2068	13	0.9892	1.3734	1.3686	0.3996	4	0.3786	0.0056	0.0008	0.0048
1/21/2002	2/3/2002	2/19/2002	2069	13	0.9858	1.3898	1.3672	0.3883	2	0.3708	0.0332	0.0106	0.0226
1/21/2002	2/3/2002	2/19/2002	2070	13	0.9907	1.3906	1.3761	0.3882	1	0.3722	0.0277	0.0132	0.0145
1/21/2002	2/3/2002	2/19/2002	2071	13	0.9842	1.3767	1.3658	0.3869	0	0.3724	0.0201	0.0092	0.0109
1/21/2002	2/3/2002	2/19/2002	2072	13	0.9918	1.3907	1.3773	0.3893	1	0.3732	0.0257	0.0123	0.0134
1/21/2002	2/3/2002	2/19/2002	2073	13	0.9943	1.3903	1.3802	0.3937	0	0.3790	0.0170	0.0069	0.0101
1/21/2002	2/3/2002	2/19/2002	2074	13	0.9855	1.3806	1.3701	0.3907	0	0.3761	0.0190	0.0085	0.0105
1/21/2002	2/3/2002	2/19/2002	2075	13	0.9952	1.4009	1.3902	0.3996	0	0.3847	0.0210	0.0103	0.0107
1/21/2002	2/3/2002	2/19/2002	2076	13	0.9933	1.394	1.3776	0.3917	0	0.3771	0.0236	0.0072	0.0164
2/3/2002	2/16/2002	4/3/2002	2221	13	0.9776	1.4619	1.4419	0.4216	0	0.4058	0.0785	0.0585	0.0200
2/3/2002	2/16/2002	4/3/2002	2222	13	0.9765	1.4523	1.4271	0.4273	0	0.4113	0.0645	0.0393	0.0252
2/3/2002	2/16/2002	4/3/2002	2223	13	0.9730	1.4107	1.4022	0.4240	0	0.4081	0.0296	0.0211	0.0085
2/3/2002	2/16/2002	4/3/2002	2224	13	0.9735	1.4178	1.4047	0.4255	0	0.4096	0.0347	0.0216	0.0131
2/3/2002	2/16/2002	4/3/2002	2225	13	0.9734	1.4378	1.4203	0.4235	0	0.4077	0.0567	0.0392	0.0175
2/3/2002	2/16/2002	4/3/2002	2226	13	0.9746	1.4571	1.4309	0.4243	0	0.4084	0.0741	0.0479	0.0262
2/3/2002	2/16/2002	4/3/2002	2227	13	0.9720	1.4278	1.4146	0.4231	0	0.4073	0.0485	0.0353	0.0132
2/3/2002	2/16/2002	4/3/2002	2228	13	0.9717	1.4374	1.4201	0.4275	1	0.4100	0.0557	0.0384	0.0173
2/3/2002	2/16/2002	4/3/2002	2229	13	0.9741	1.4506	1.4239	0.4278	0	0.4118	0.0647	0.0380	0.0267
2/3/2002	2/16/2002	4/3/2002	2230	13	0.9700	1.4558	1.4285	0.4255	0	0.4096	0.0762	0.0489	0.0273
2/3/2002	2/16/2002	4/3/2002	2231	13	0.9721	1.4442	1.4217	0.4248	0	0.4089	0.0632	0.0407	0.0225
2/3/2002	2/16/2002	4/3/2002	2232	13	0.9717	1.4255	1.4149	0.4286	0	0.4126	0.0412	0.0306	0.0106
2/16/2002	3/4/2002	4/9/2002	2365	16	0.9757	7.4987	5.3131	0.4251	4	0.4032	6.1198	3.9342	2.1856
2/16/2002	3/4/2002	4/9/2002	2366	16	0.9733	10.2064	6.4628	0.4264	0	0.4105	8.8226	5.0790	3.7436
2/16/2002	3/4/2002	4/9/2002	2367	16	142.5900	184.4300	162.7600	0.4255	0	0.4096	41.4304	19.7604	21.6700
2/16/2002	3/4/2002	4/9/2002	2368	16	141.4600	208.4300	174.7000	0.4276	0	0.4116	66.5584	32.8284	33.7300
2/16/2002	3/4/2002	4/9/2002	2369	16	0.9761	2.5953	2.2914	0.4247	2	0.4058	1.2134	0.9095	0.3039
2/16/2002	3/4/2002	4/9/2002	2370	16	0.9775	2.6225	2.3125	0.4278	2	0.4088	1.2362	0.9262	0.3100
2/16/2002	3/4/2002	4/9/2002	2371	16	0.9756	2.3588	2.1252	0.4245	0	0.4086	0.9746	0.7410	0.2336
2/16/2002	3/4/2002	4/9/2002	2372	16	0.9733	2.3802	2.134	0.4268	0	0.4108	0.9961	0.7499	0.2462
2/16/2002	3/4/2002	4/9/2002	2373	16	0.9716	1.7410	1.6665	0.4269	1	0.4094	0.3600	0.2855	0.0745
2/16/2002	3/4/2002	4/9/2002	2374	16	0.9722	1.8043	1.7071	0.4250	0	0.4091	0.4230	0.3258	0.0972
2/16/2002	3/4/2002	4/9/2002	2375	16	0.9742	1.8209	1.7188	0.4251	0	0.4092	0.4375	0.3354	0.1021
2/16/2002	3/4/2002	4/9/2002	2376	16	0.9771	1.7037	1.6312	0.4244	0	0.4085	0.3181	0.2456	0.0725
3/4/2002	3/24/2002	4/25/2002	2629	20	0.9958	1.4903	1.4345	0.4286	1	0.4111	0.0834	0.0276	0.0558
3/4/2002	3/24/2002	4/25/2002	2630	20	0.9936	1.4781	1.4251	0.4259	1	0.4085	0.0760	0.0230	0.0530
3/4/2002	3/24/2002	4/25/2002	2631	20	0.9881	1.4285	1.4139	0.426	2	0.4070	0.0334	0.0188	0.0146
3/4/2002	3/24/2002	4/25/2002	2632	20	0.9874	1.4392	1.4208	0.4296	2	0.4105	0.0413	0.0229	0.0184
3/4/2002	3/24/2002	4/25/2002	2633	20	0.9899	1.5149	1.4663	0.4268	1	0.4093	0.1157	0.0671	0.0486
3/4/2002	3/24/2002	4/25/2002	2634	20	0.9921	1.5484	1.4931	0.428	0	0.4120	0.1443	0.0890	0.0553
3/4/2002	3/24/2002	4/25/2002	2635	20	0.9978	1.5639	1.4992	0.4325	0	0.4163	0.1498	0.0851	0.0647
3/4/2002	3/24/2002	4/25/2002	2636	20	0.9956	1.6349	1.5459	0.4304	0	0.4143	0.2250	0.1360	0.0890
3/4/2002	3/24/2002	4/25/2002	2637	20	0.9928	1.5315	1.4761	0.4289	0	0.4129	0.1258	0.0704	0.0554

Table B2: Sediment trap data

Site 419													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/4/2002	**3/24/2002**	**4/25/2002**	**2638**	**20**	**0.9897**	**1.5408**	**1.4788**	**0.4307**	**0**	**0.4146**	**0.1365**	**0.0745**	**0.0620**
3/4/2002	**3/24/2002**	**4/25/2002**	**2639**	**20**	**0.9907**	**1.5867**	**1.5092**	**0.4308**	**0**	**0.4147**	**0.1813**	**0.1038**	**0.0775**
3/4/2002	**3/24/2002**	**4/25/2002**	**2640**	**20**	**0.9931**	**1.5113**	**1.4657**	**0.4289**	**0**	**0.4129**	**0.1053**	**0.0597**	**0.0456**
3/24/2002	4/26/2002	5/2/2002	2665	33	0.9977	1.7328	1.6468	0.4303	0	0.4142	0.3209	0.2349	0.0860
3/24/2002	4/26/2002	5/2/2002	2666	33	0.9911	2.7841	2.3913	0.4299	2	0.4108	1.3822	0.9894	0.3928
3/24/2002	4/26/2002	5/2/2002	2667	33	0.9915	1.5356	1.4552	0.424	1	0.4066	0.1375	0.0571	0.0804
3/24/2002	4/26/2002	5/2/2002	2668	33	0.9994	3.0679	2.1788	0.4319	1	0.4142	1.6543	0.7652	0.8891
3/24/2002	4/26/2002	5/2/2002	2669	33	0.9933	1.5781	1.5115	0.4294	0	0.4133	0.1715	0.1049	0.0666
3/24/2002	4/26/2002	5/2/2002	2670	33	0.9945	1.6041	1.5274	0.4288	1	0.4113	0.1983	0.1216	0.0767
3/24/2002	4/26/2002	5/2/2002	2671	33	0.9985	1.6122	1.5222	0.4265	0	0.4105	0.2032	0.1132	0.0900
3/24/2002	4/26/2002	5/2/2002	2672	33	1.0016	1.6424	1.5432	0.4351	1	0.4173	0.2235	0.1243	0.0992
3/24/2002	4/26/2002	5/2/2002	2673	33	1.0008	1.5949	1.5121	0.433	0	0.4168	0.1773	0.0945	0.0828
3/24/2002	4/26/2002	5/2/2002	2674	33	0.9962	1.5842	1.5129	0.4302	0	0.4141	0.1739	0.1026	0.0713
3/24/2002	4/26/2002	5/2/2002	2675	33	0.9911	1.5933	1.532	0.4348	2	0.4155	0.1867	0.1254	0.0613
3/24/2002	4/26/2002	5/2/2002	2676	33	0.9951	1.605	1.5263	0.4315	0	0.4154	0.1945	0.1158	0.0787
4/26/2002	5/30/2002	6/5/2002	2809	34	0.9508	1.5371	1.404	0.4247	0	0.4088	0.1775	0.0444	0.1331
4/26/2002	5/30/2002	6/5/2002	2810	34	0.9492	1.6947	1.4298	0.4249	1	0.4075	0.3380	0.0731	0.2649
4/26/2002	5/30/2002	6/5/2002	2811	34	0.9474	1.6356	1.4174	0.4255	0	0.4096	0.2786	0.0604	0.2182
4/26/2002	5/30/2002	6/5/2002	2812	34	0.9512	1.6824	1.4286	0.4235	0	0.4077	0.3235	0.0697	0.2538
4/26/2002	5/30/2002	6/5/2002	2813	34	0.9514	1.4369	1.3689	0.4273	40	0.3508	0.1347	0.0667	0.0680
4/26/2002	5/30/2002	6/5/2002	2814	34	0.9485	1.5592	1.4447	0.4227	1	0.4054	0.2053	0.0908	0.1145
4/26/2002	5/30/2002	6/5/2002	2815	34	0.9465	1.4605	1.3869	0.4263	0	0.4104	0.1036	0.0300	0.0736
4/26/2002	5/30/2002	6/5/2002	2816	34	0.9485	1.4611	1.395	0.4273	0	0.4113	0.1013	0.0352	0.0661
4/26/2002	5/30/2002	6/5/2002	2817	34	0.9465	1.4529	1.3874	0.4234	0	0.4076	0.0988	0.0333	0.0655
4/26/2002	5/30/2002	6/5/2002	2818	34	0.9510	1.4291	1.381	0.4246	2	0.4057	0.0724	0.0243	0.0481
4/26/2002	5/30/2002	6/5/2002	2819	34	0.9522	1.447	1.3808	0.425	0	0.4091	0.0857	0.0195	0.0662
4/26/2002	5/30/2002	6/5/2002	2820	34	0.9528	1.3951	1.3663	0.4267	0	0.4107	0.0316	0.0028	0.0288
5/30/2002	7/12/2002	7/15/2002	2965	43	0.9809	1.8751	1.5645	0.4291	5	0.4055	0.4887	0.1781	0.3106
5/30/2002	7/12/2002	7/15/2002	2966	43	0.9764	1.7412	1.4532	0.4238	0	0.4080	0.3568	0.0688	0.2880
5/30/2002	7/12/2002	7/15/2002	2967	43	0.9783	1.7403	1.4578	0.4295	0	0.4134	0.3486	0.0661	0.2825
5/30/2002	7/12/2002	7/15/2002	2968	43	0.9824	2.736	1.5098	0.4276	3	0.4071	1.3465	0.1203	1.2262
5/30/2002	7/12/2002	7/15/2002	2969	43	0.9773	1.5596	1.4296	0.4274	1	0.4099	0.1724	0.0424	0.1300
5/30/2002	7/12/2002	7/15/2002	2970	43	0.9826	1.721	1.5418	0.4257	0	0.4098	0.3286	0.1494	0.1792
5/30/2002	7/12/2002	7/15/2002	2971	43	0.9833	1.5205	1.4178	0.4275	0	0.4115	0.1257	0.0230	0.1027
5/30/2002	7/12/2002	7/15/2002	2972	43	0.9775	1.6121	1.4646	0.4294	1	0.4118	0.2228	0.0753	0.1475
5/30/2002	7/12/2002	7/15/2002	2973	43	0.9787	1.6305	1.4558	0.4285	0	0.4125	0.2393	0.0646	0.1747
5/30/2002	7/12/2002	7/15/2002	2974	43	0.9805	1.6778	1.4682	0.4295	0	0.4134	0.2839	0.0743	0.2096
5/30/2002	7/12/2002	7/15/2002	2975	43	0.9855	1.664	1.4868	0.4338	0	0.4176	0.2609	0.0837	0.1772
5/30/2002	7/12/2002	7/15/2002	2976	43	0.9854	1.6938	1.4887	0.4275	0	0.4115	0.2969	0.0918	0.2051
7/12/2002	8/13/2002	8/15/2002	3109	32	0.9859	3.3028	2.9071	0.4263	2	0.4073	1.9096	1.5139	0.3957
7/12/2002	8/13/2002	8/15/2002	3110	32	0.9814	3.1042	2.721	0.4277	0	0.4117	1.7111	1.3279	0.3832
7/12/2002	8/13/2002	8/15/2002	3111	32	0.9817	2.5433	2.2636	0.4258	0	0.4099	1.1517	0.8720	0.2797
7/12/2002	8/13/2002	8/15/2002	3112	32	0.9839	3.2393	2.7936	0.4249	0	0.4090	1.8464	1.4007	0.4457
7/12/2002	8/13/2002	8/15/2002	3113	32	0.9929	1.4804	1.4467	0.4251	0	0.4092	0.0783	0.0446	0.0337
7/12/2002	8/13/2002	8/15/2002	3114	32	0.9924	1.5186	1.4594	0.4287	0	0.4127	0.1135	0.0543	0.0592
7/12/2002	8/13/2002	8/15/2002	3115	32	0.9815	1.4531	1.422	0.4311	0	0.4150	0.0566	0.0255	0.0311
7/12/2002	8/13/2002	8/15/2002	3116	32	0.9843	1.451	1.4237	0.4273	0	0.4113	0.0554	0.0281	0.0273
7/12/2002	8/13/2002	8/15/2002	3117	32	0.9883	1.702	1.5231	0.4275	4	0.4055	0.3082	0.1293	0.1789
7/12/2002	8/13/2002	8/15/2002	3118	32	0.9882	1.7168	1.5155	0.4303	4	0.4082	0.3204	0.1191	0.2013
7/12/2002	8/13/2002	8/15/2002	3119	32	0.9881	1.7201	1.5663	0.4277	2	0.4087	0.3233	0.1695	0.1538
7/12/2002	8/13/2002	8/15/2002	3120	32	0.9897	1.8327	1.6458	0.4271	3	0.4066	0.4364	0.2495	0.1869

TABLE B2: Sediment trap data

Site 422													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/2/2001	2/22/2001	3/6/2001	157	20	16.7173	17.1223	17.0988	0.4024	0	0.3874	0.0176	0.0393	-0.0217
2/2/2001	2/22/2001	3/6/2001	158	20	28.8986	29.3497	29.2846	0.4041	0	0.3890	0.0621	0.0751	-0.0130
2/2/2001	2/22/2001	3/6/2001	159	20	28.9375	29.3143	29.3084	0.4012	0	0.3862	-0.0094	0.0629	-0.0723
2/2/2001	2/22/2001	3/6/2001	160	20	30.3455	30.7226	30.7166	0.4002	0	0.3852	-0.0081	0.0678	-0.0760
2/2/2001	2/22/2001	3/6/2001	161	20	NV	NV	NV	NV	0	NV	NV	NV	NV
2/2/2001	2/22/2001	3/6/2001	162	20	33.5632	34.0333	33.9854	0.3994	0	0.3845	0.0856	0.1284	-0.0428
2/2/2001	2/22/2001	3/6/2001	163	20	33.3748	33.7742	33.7566	0.3949	0	0.3801	0.0193	0.0918	-0.0725
2/2/2001	2/22/2001	3/6/2001	164	20	31.3901	31.8568	31.7682	0.4007	0	0.3857	0.0810	0.0772	0.0038
2/2/2001	2/22/2001	3/6/2001	165	20	31.9160	32.3267	32.2884	0.3978	0	0.3829	0.0278	0.0757	-0.0479
2/2/2001	2/22/2001	3/6/2001	166	20	29.7667	30.1302	30.1269	0.3974	0	0.3825	-0.0190	0.0581	-0.0771
2/2/2001	2/22/2001	3/6/2001	167	20	30.7943	31.1904	31.1775	0.3914	0	0.3768	0.0193	0.0896	-0.0703
2/2/2001	2/22/2001	3/6/2001	168	20	30.9135	31.3252	31.3041	0.3903	0	0.3757	0.0360	0.0984	-0.0624
2/22/2001	3/8/2001	3/14/2001	349	14	29.8975	30.2789	30.27	0.3962	0	0.3814	0.0000	0.0719	-0.0719
2/22/2001	3/8/2001	3/14/2001	350	14	30.1816	30.5767	30.5674	0.3997	0	0.3848	0.0103	0.0826	-0.0722
2/22/2001	3/8/2001	3/14/2001	351	14	31.4538	32.17	31.9057	0.4	0	0.3850	0.3312	0.1518	0.1793
2/22/2001	3/8/2001	3/14/2001	352	14	30.1810	30.607	30.5827	0.4024	0	0.3874	0.0386	0.0959	-0.0572
2/22/2001	3/8/2001	3/14/2001	353	14	30.7864	31.1914	31.1768	0.398	0	0.3831	0.0219	0.0904	-0.0686
2/22/2001	3/8/2001	3/14/2001	354	14	30.9085	31.2919	31.2835	0.3881	0	0.3736	0.0098	0.0849	-0.0751
2/22/2001	3/8/2001	3/14/2001	355	14	31.3922	31.7417	31.7368	0.4001	0	0.3851	-0.0356	0.0443	-0.0799
2/22/2001	3/8/2001	3/14/2001	356	14	31.9164	32.2678	32.2636	0.3945	0	0.3797	-0.0283	0.0537	-0.0820
2/22/2001	3/8/2001	3/14/2001	357	14	31.8332	32.188	32.1827	0.3967	0	0.3819	-0.0271	0.0536	-0.0807
2/22/2001	3/8/2001	3/14/2001	358	14	29.7672	30.1312	30.125	0.3982	0	0.3833	-0.0193	0.0549	-0.0742
2/22/2001	3/8/2001	3/14/2001	359	14	30.4868	30.8711	30.8644	0.3936	0	0.3789	0.0054	0.0811	-0.0756
2/22/2001	3/8/2001	3/14/2001	360	14	32.0332	32.4201	32.414	0.3968	0	0.3820	0.0049	0.0854	-0.0804
3/8/2001	**3/22/2001**	**5/8/2001**	**493**	**14**	**1.0239**	**1.637**	**1.5111**	**0.3854**	**5**	**0.3634**	**0.2508**	**0.1265**	**0.1242**
3/8/2001	**3/22/2001**	**5/8/2001**	**494**	**14**	**1.0220**	**1.5189**	**1.4887**	**0.388**	**3.5**	**0.3682**	**0.1298**	**0.1013**	**0.0286**
3/8/2001	**3/22/2001**	**5/8/2001**	**495**	**14**	**1.0228**	**3.5161**	**2.7323**	**0.3787**		**0.3645**	**2.1299**	**1.3477**	**0.7822**
3/8/2001	**3/22/2001**	**5/8/2001**	**496**	**14**	**1.0229**	**1.783**	**1.6608**	**0.3791**	**1.5**	**0.3627**	**0.3986**	**0.2780**	**0.1206**
3/8/2001	**3/22/2001**	**5/8/2001**	**497**	**14**	**1.0249**	**1.6088**	**1.5293**	**0.3844**	**0**	**0.3700**	**0.2150**	**0.1371**	**0.0778**
3/8/2001	**3/22/2001**	**5/8/2001**	**498**	**14**	**1.0226**	**1.5902**	**1.5305**	**0.3858**	**1**	**0.3699**	**0.1989**	**0.1408**	**0.0581**
3/8/2001	**3/22/2001**	**5/8/2001**	**499**	**14**	**1.0229**	**1.5083**	**1.478**	**0.3836**	**6**	**0.3602**	**0.1263**	**0.0977**	**0.0287**
3/8/2001	**3/22/2001**	**5/8/2001**	**500**	**14**	**1.0205**	**1.4975**	**1.4682**	**0.3785**	**3**	**0.3598**	**0.1183**	**0.0906**	**0.0277**
3/8/2001	**3/22/2001**	**5/8/2001**	**501**	**14**	**1.0204**	**1.5538**	**1.5166**	**0.3802**	**2**	**0.3630**	**0.1716**	**0.1360**	**0.0356**
3/8/2001	**3/22/2001**	**5/8/2001**	**502**	**14**	**1.0215**	**1.5553**	**1.5197**	**0.3855**	**0.5**	**0.3703**	**0.1646**	**0.1306**	**0.0340**
3/8/2001	**3/22/2001**	**5/8/2001**	**503**	**14**	**1.0174**	**1.6012**	**1.5247**	**0.3832**	**0**	**0.3689**	**0.2160**	**0.1412**	**0.0749**
3/8/2001	**3/22/2001**	**5/8/2001**	**504**	**14**	**1.0217**	**1.4862**	**1.464**	**0.386**	**1.5**	**0.3693**	**0.0963**	**0.0758**	**0.0206**
3/22/2001	4/26/2001	5/21/2001	685	35	0.9700	1.5867	1.4796	0.3902	7	0.3650	0.2527	0.1472	0.1055
3/22/2001	4/26/2001	5/21/2001	686	35	0.9783	1.6397	1.5333	0.3862	4	0.3657	0.2968	0.1919	0.1048
3/22/2001	4/26/2001	5/21/2001	687	35	0.9768	2.2596	1.9643	0.3886	0	0.3741	0.9098	0.6161	0.2937
3/22/2001	4/26/2001	5/21/2001	688	35	0.9721	2.7853	2.2977	0.3898	8	0.3631	1.4511	0.9651	0.4860
3/22/2001	4/26/2001	5/21/2001	689	35	0.9716	1.7706	1.5905	0.3906	0	0.3760	0.4241	0.2455	0.1785
3/22/2001	4/26/2001	5/21/2001	690	35	0.9713	1.5642	1.4705	0.3932	0	0.3785	0.2155	0.1233	0.0921
3/22/2001	4/26/2001	5/21/2001	691	35	0.9707	1.3473	1.3305	0.3744	1	0.3589	0.0188	0.0035	0.0152
3/22/2001	4/26/2001	5/21/2001	692	35	0.9727	1.4226	1.3705	0.3726	1	0.3572	0.0938	0.0433	0.0505
3/22/2001	4/26/2001	5/21/2001	693	35	0.9728	1.361	1.3389	0.3724	0	0.3585	0.0308	0.0103	0.0205
3/22/2001	4/26/2001	5/21/2001	694	35	0.9683	1.3382	1.3227	0.3721	0	0.3582	0.0128	-0.0012	0.0139
3/22/2001	4/26/2001	5/21/2001	695	35	0.9676	1.4693	1.3994	0.3754	7	0.3508	0.1520	0.0836	0.0683
3/22/2001	4/26/2001	5/21/2001	696	35	0.9729	1.4749	1.4243	0.3776	6	0.3544	0.1487	0.0996	0.0490
4/26/2001	5/29/2001	6/20/2001	865	33	0.9715	1.6118	1.427	0.3876	12	0.3550	0.2864	0.1032	0.1832
4/26/2001	5/29/2001	6/20/2001	866	33	0.9718	1.4646	1.3302	0.3893	28	0.3324	0.1615	0.0286	0.1328
4/26/2001	5/29/2001	6/20/2001	867	33	0.9752	1.7997	1.5753	0.3931	0	0.3784	0.4472	0.2243	0.2228
4/26/2001	5/29/2001	6/20/2001	868	33	0.9717	1.6113	1.4717	0.3911	0	0.3765	0.2642	0.1262	0.1380
4/26/2001	5/29/2001	6/20/2001	869	33	0.9717	1.5802	1.4698	0.3913	0	0.3767	0.2329	0.1241	0.1088
4/26/2001	5/29/2001	6/20/2001	870	33	0.9734	1.4572	1.3937	0.3889	0	0.3744	0.1105	0.0486	0.0619
4/26/2001	5/29/2001	6/20/2001	871	33	0.9716	1.6146	1.4176	0.3897	1	0.3736	0.2704	0.0750	0.1954

TABLE B2: Sediment trap data

Site 422													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/26/2001	5/29/2001	6/20/2001	872	33	0.9684	1.4405	1.3698	0.3922	3	0.3730	0.1002	0.0310	0.0691
4/26/2001	5/29/2001	6/20/2001	873	33	0.9804	1.3723	1.3203	0.3906	44	0.3094	0.0835	0.0331	0.0504
4/26/2001	5/29/2001	6/20/2001	874	33	0.9725	1.3518	1.3121	0.3922	45	0.3095	0.0709	0.0328	0.0381
4/26/2001	5/29/2001	6/20/2001	875	33	0.9733	1.4221	1.3733	0.3892	0	0.3746	0.0752	0.0280	0.0472
4/26/2001	5/29/2001	6/20/2001	876	33	0.9729	1.4175	1.3736	0.3897	0	0.3751	0.0705	0.0282	0.0423
5/29/2001	6/25/2001	7/12/2001	1093	27	0.9732	1.3904	1.353	0.3903	4	0.3697	0.0486	0.0128	0.0358
5/29/2001	6/25/2001	7/12/2001	1094	27	0.9739	1.4084	1.3609	0.387	0	0.3725	0.0630	0.0171	0.0459
5/29/2001	6/25/2001	7/12/2001	1095	27	0.9712	1.4811	1.4187	0.3903	1	0.3742	0.1368	0.0759	0.0608
5/29/2001	6/25/2001	7/12/2001	1096	27	0.9751	1.4516	1.398	0.3911	0	0.3765	0.1011	0.0491	0.0520
5/29/2001	6/25/2001	7/12/2001	1097	27	0.9725	1.4685	1.4131	0.3901	0	0.3755	0.1215	0.0677	0.0538
5/29/2001	6/25/2001	7/12/2001	1098	27	0.9782	1.4135	1.382	0.388	0	0.3735	0.0629	0.0330	0.0299
5/29/2001	6/25/2001	7/12/2001	1099	27	0.9770	1.3927	1.3465	0.3872	5	0.3652	0.0516	0.0070	0.0446
5/29/2001	6/25/2001	7/12/2001	1100	27	0.9666	1.383	1.3463	0.388	1	0.3720	0.0455	0.0103	0.0351
5/29/2001	6/25/2001	7/12/2001	1101	27	0.9686	1.3662	1.3436	0.3919	2	0.3742	0.0244	0.0034	0.0210
5/29/2001	6/25/2001	7/12/2001	1102	27	0.9703	1.3591	1.3401	0.3938	1	0.3776	0.0123	-0.0051	0.0174
5/29/2001	6/25/2001	7/12/2001	1103	27	0.9695	1.3819	1.3576	0.392	1.5	0.3751	0.0384	0.0156	0.0227
5/29/2001	6/25/2001	7/12/2001	1104	27	0.9722	1.392	1.3593	0.3886	1.5	0.3718	0.0491	0.0179	0.0311
6/25/2001	7/26/2001	8/9/2001	1189	31	0.9782	1.4554	1.4014	0.4156	1	0.3985	0.0797	0.0273	0.0524
6/25/2001	7/26/2001	8/9/2001	1190	31	0.9795	1.465	1.4086	0.4143	2	0.3958	0.0908	0.0360	0.0548
6/25/2001	7/26/2001	8/9/2001	1191	31	0.9799	1.5698	1.4709	0.4121	0	0.3967	0.1943	0.0970	0.0973
6/25/2001	7/26/2001	8/9/2001	1192	31	0.9795	1.5018	1.4311	0.4103	1	0.3934	0.1299	0.0608	0.0691
6/25/2001	7/26/2001	8/9/2001	1193	31	0.9775	1.4029	1.3852	0.4124	1	0.3955	0.0310	0.0149	0.0161
6/25/2001	7/26/2001	8/9/2001	1194	31	0.9791	1.4034	1.3952	0.4142	1	0.3972	0.0282	0.0215	0.0066
6/25/2001	7/26/2001	8/9/2001	1195	31	0.9787	1.3474	1.3403	0.4081	6	0.3838	-0.0140	-0.0195	0.0055
6/25/2001	7/26/2001	8/9/2001	1196	31	0.9784	1.3371	1.3308	0.4102	8	0.3828	-0.0230	-0.0277	0.0047
6/25/2001	7/26/2001	8/9/2001	1197	31	0.9800	1.3295	1.323	0.4123	15	0.3742	-0.0236	-0.0285	0.0049
6/25/2001	7/26/2001	8/9/2001	1198	31	0.9805	1.3215	1.314	0.4128	16	0.3732	-0.0311	-0.0370	0.0059
6/25/2001	7/26/2001	8/9/2001	1199	31	0.9796	1.3662	1.3577	0.4085	5	0.3857	0.0020	-0.0049	0.0069
6/25/2001	7/26/2001	8/9/2001	1200	31	0.9813	1.3653	1.3509	0.4124	11	0.3803	0.0047	-0.0081	0.0128
7/26/2001	9/7/2001	10/10/2001	1333	43	0.9749	1.7726	1.5013	0.415	0	0.3995	0.3993	0.1296	0.2697
7/26/2001	9/7/2001	10/10/2001	1334	43	0.9735	1.7196	1.4908	0.4127	0	0.3973	0.3499	0.1227	0.2272
7/26/2001	9/7/2001	10/10/2001	1335	43	0.9758	1.9702	1.6777	0.4137	0	0.3982	0.5972	0.3063	0.2909
7/26/2001	9/7/2001	10/10/2001	1336	43	0.9733	1.6837	1.5067	0.4131	0	0.3977	0.3138	0.1384	0.1754
7/26/2001	9/7/2001	10/10/2001	1337	43	0.9776	1.8155	1.6061	0.4154	1	0.3984	0.4406	0.2328	0.2078
7/26/2001	9/7/2001	10/10/2001	1338	43	0.9778	1.5288	1.4215	0.4135	0	0.3980	0.1540	0.0483	0.1057
7/26/2001	9/7/2001	10/10/2001	1339	43	0.9769	1.3766	1.34	0.4109	5	0.3880	0.0128	-0.0222	0.0350
7/26/2001	9/7/2001	10/10/2001	1340	43	0.9762	1.3684	1.3466	0.4143	5	0.3912	0.0020	-0.0182	0.0202
7/26/2001	9/7/2001	10/10/2001	1341	43	0.9791	1.422	1.3628	0.4165	5	0.3934	0.0506	-0.0070	0.0576
7/26/2001	9/7/2001	10/10/2001	1342	43	0.9766	1.4114	1.3538	0.4156	6	0.3910	0.0449	-0.0111	0.0560
7/26/2001	9/7/2001	10/10/2001	1343	43	0.9765	1.4676	1.3896	0.4131	0	0.3977	0.0945	0.0181	0.0764
7/26/2001	9/7/2001	10/10/2001	1344	43	0.9761	1.5244	1.4113	0.4138	1	0.3968	0.1526	0.0410	0.1115
9/7/2001	10/8/2001	11/28/2001	1537	31	0.9822	1.6675	1.4906	0.4209	1	0.4036	0.2827	0.1074	0.1753
9/7/2001	10/8/2001	11/28/2001	1538	31	0.9849	1.6156	1.4854	0.4155	1	0.3984	0.2333	0.1047	0.1286
9/7/2001	10/8/2001	11/28/2001	1539	31	0.9836	1.8718	1.6503	0.4171	0	0.4015	0.4878	0.2679	0.2199
9/7/2001	10/8/2001	11/28/2001	1540	31	0.9850	1.54	1.4593	0.4168	0	0.4012	0.1549	0.0757	0.0791
9/7/2001	10/8/2001	11/28/2001	1541	31	0.9846	1.7823	1.6059	0.4174	0	0.4018	0.3970	0.2222	0.1748
9/7/2001	10/8/2001	11/28/2001	1542	31	0.9842	1.6551	1.5022	0.4176	1	0.4005	0.2715	0.1202	0.1513
9/7/2001	10/8/2001	11/28/2001	1543	31	0.9827	1.6194	1.4387	0.421	2	0.4022	0.2355	0.0564	0.1791
9/7/2001	10/8/2001	11/28/2001	1544	31	0.9808	1.4925	1.4146	0.4199	2	0.4012	0.1116	0.0353	0.0763
9/7/2001	10/8/2001	11/28/2001	1545	31	0.9813	1.5384	1.4354	0.4202	0	0.4045	0.1537	0.0523	0.1014
9/7/2001	10/8/2001	11/28/2001	1546	31	0.9803	1.5181	1.4249	0.4188	0	0.4031	0.1357	0.0441	0.0916
9/7/2001	10/8/2001	11/28/2001	1547	31	0.9852	1.5281	1.4481	0.4168	2	0.3982	0.1458	0.0674	0.0784
9/7/2001	10/8/2001	11/28/2001	1548	31	0.9853	1.5684	1.4645	0.4213	1	0.4040	0.1801	0.0778	0.1023
10/8/2001	11/1/2001	1/12/2001	1717	24	0.9547	1.5815	1.4299	0.395	0	0.3802	0.2476	0.0976	0.1501
10/8/2001	11/1/2001	1/12/2001	1718	24	0.9562	1.62	1.4552	0.3957	0	0.3809	0.2839	0.1207	0.1633

TABLE B2: Sediment trap data

Site 422													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
10/8/2001	11/1/2001	1/12/2001	1719	24	0.9609	1.5826	1.4725	0.3984	0	0.3835	0.2392	0.1307	0.1086
10/8/2001	11/1/2001	1/12/2001	1720	24	0.9615	1.708	1.5286	0.4035	0	0.3884	0.3591	0.1813	0.1778
10/8/2001	11/1/2001	1/12/2001	1721	24	0.9552	1.8945	1.5332	0.3986	0	0.3837	0.5566	0.1969	0.3598
10/8/2001	11/1/2001	1/12/2001	1722	24	0.9560	1.6733	1.4598	0.397	0	0.3822	0.3362	0.1242	0.2120
10/8/2001	11/1/2001	1/12/2001	1723	24	0.9599	1.4286	1.3809	0.4013	1	0.3848	0.0850	0.0388	0.0462
10/8/2001	11/1/2001	1/12/2001	1724	24	0.9633	1.513	1.4027	0.3949	0	0.3801	0.1706	0.0619	0.1087
10/8/2001	11/1/2001	1/12/2001	1725	24	0.9556	1.478	1.3963	0.4067	1	0.3900	0.1335	0.0533	0.0802
10/8/2001	11/1/2001	1/12/2001	1726	24	0.9542	1.5562	1.4249	0.4064	0	0.3912	0.2118	0.0821	0.1298
10/8/2001	11/1/2001	1/12/2001	1727	24	0.9561	1.5584	1.4233	0.4042	0	0.3891	0.2143	0.0807	0.1336
10/8/2001	11/1/2001	1/12/2001	1728	24	0.9584	1.5201	1.3995	0.3997	1	0.3832	0.1795	0.0604	0.1191
11/1/2001	12/8/2001	1/15/2001	1885	37	0.9940	1.5139	1.4485	0.3934	1	0.3772	0.1438	0.0800	0.0638
11/1/2001	12/8/2001	1/15/2001	1886	37	0.9936	1.462	1.4613	0.3887	1	0.3727	0.0968	0.0977	-0.0009
11/1/2001	12/8/2001	1/15/2001	1887	37	0.9912	1.8185	1.6068	0.3933	0	0.3786	0.4498	0.2397	0.2101
11/1/2001	12/8/2001	1/15/2001	1888	37	0.9898	1.6977	1.547	0.3913	0	0.3767	0.3323	0.1832	0.1491
11/1/2001	12/8/2001	1/15/2001	1889	37	0.9863	1.5174	1.4594	0.4	1	0.3835	0.1486	0.0922	0.0564
11/1/2001	12/8/2001	1/15/2001	1890	37	0.9849	1.7207	1.5309	0.3953	1	0.3790	0.3579	0.1697	0.1882
11/1/2001	12/8/2001	1/15/2001	1891	37	0.9854	1.4037	1.3818	0.3973	1	0.3809	0.0384	0.0181	0.0203
11/1/2001	12/8/2001	1/15/2001	1892	37	0.9892	1.4232	1.3869	0.395	1	0.3787	0.0564	0.0217	0.0347
11/1/2001	12/8/2001	1/15/2001	1893	37	0.9883	1.4273	1.4003	0.4022	0	0.3872	0.0529	0.0275	0.0254
11/1/2001	12/8/2001	1/15/2001	1894	37	0.9930	1.4297	1.4036	0.4023	0	0.3873	0.0505	0.0260	0.0245
11/1/2001	12/8/2001	1/15/2001	1895	37	0.9947	1.5143	1.4524	0.4006	0	0.3856	0.1351	0.0748	0.0603
11/1/2001	12/8/2001	1/15/2001	1896	37	0.9949	1.5216	1.4573	0.4031	0	0.3880	0.1398	0.0771	0.0627
12/8/2001	1/22/2002	2/7/2002	2029	45	0.9826	1.5528	1.4563	0.396	0	0.3812	0.1890	0.0925	0.0965
12/8/2001	1/22/2002	2/7/2002	2030	45	0.9829	1.5524	1.475	0.3983	0	0.3834	0.1861	0.1087	0.0774
12/8/2001	1/22/2002	2/7/2002	2031	45	0.9855	1.457	1.4131	0.3991	20	0.3539	0.1176	0.0737	0.0439
12/8/2001	1/22/2002	2/7/2002	2032	45	0.9848	1.4526	1.4066	0.4041	15	0.3663	0.1015	0.0555	0.0460
12/8/2001	1/22/2002	2/7/2002	2033	45	0.9809	2.0698	1.7322	0.3962	1	0.3799	0.7090	0.3714	0.3376
12/8/2001	1/22/2002	2/7/2002	2034	45	0.9824	1.6905	1.547	0.4004	0	0.3854	0.3227	0.1792	0.1435
12/8/2001	1/22/2002	2/7/2002	2035	45	0.9852	1.5026	1.4547	0.404	1	0.3874	0.1300	0.0821	0.0479
12/8/2001	1/22/2002	2/7/2002	2036	45	0.9854	1.4778	1.4376	0.4069	3	0.3871	0.1053	0.0651	0.0402
12/8/2001	1/22/2002	2/7/2002	2037	45	0.9895	1.4555	1.4235	0.4207	6	0.3959	0.0701	0.0381	0.0320
12/8/2001	1/22/2002	2/7/2002	2038	45	0.9872	1.4603	1.4137	0.396	22	0.3479	0.1252	0.0786	0.0466
12/8/2001	1/22/2002	2/7/2002	2039	45	0.9888	1.4444	1.3666	0.3996	43	0.3196	0.1360	0.0582	0.0778
12/8/2001	1/22/2002	2/7/2002	2040	45	0.9849	1.3443	1.2893	0.3963	54	0.2998	0.0596	0.0046	0.0550
1/22/2002	**2/4/2002**	**2/19/2002**	**2113**	**13**	**0.9857**	**1.5051**	**1.453**	**0.3964**	**0**	**0.3816**	**0.1378**	**0.0857**	**0.0521**
1/22/2002	**2/4/2002**	**2/19/2002**	**2114**	**13**	**0.9874**	**1.4246**	**1.407**	**0.3973**	**0**	**0.3824**	**0.0548**	**0.0372**	**0.0176**
1/22/2002	**2/4/2002**	**2/19/2002**	**2115**	**13**	**0.9898**	**1.8678**	**1.6454**	**0.3986**	**7**	**0.3731**	**0.5049**	**0.2825**	**0.2224**
1/22/2002	**2/4/2002**	**2/19/2002**	**2116**	**13**	**0.9838**	**1.478**	**1.405**	**0.3954**	**10**	**0.3655**	**0.1287**	**0.0557**	**0.0730**
1/22/2002	**2/4/2002**	**2/19/2002**	**2117**	**13**	**0.9862**	**1.8803**	**1.6666**	**0.3971**	**2**	**0.3792**	**0.5149**	**0.3012**	**0.2137**
1/22/2002	**2/4/2002**	**2/19/2002**	**2118**	**13**	**0.9865**	**2.1922**	**1.7757**	**0.3947**	**0**	**0.3799**	**0.8258**	**0.4093**	**0.4165**
1/22/2002	**2/4/2002**	**2/19/2002**	**2119**	**13**	**0.9857**	**1.3897**	**1.3766**	**0.3947**	**0**	**0.3799**	**0.0241**	**0.0110**	**0.0131**
1/22/2002	**2/4/2002**	**2/19/2002**	**2120**	**13**	**0.9848**	**1.4015**	**1.3881**	**0.3926**	**0**	**0.3779**	**0.0388**	**0.0254**	**0.0134**
1/22/2002	**2/4/2002**	**2/19/2002**	**2121**	**13**	**0.9907**	**1.3991**	**1.386**	**0.3932**	**2**	**0.3755**	**0.0329**	**0.0198**	**0.0131**
1/22/2002	**2/4/2002**	**2/19/2002**	**2122**	**13**	**0.9879**	**1.4067**	**1.3919**	**0.3915**	**0**	**0.3769**	**0.0419**	**0.0271**	**0.0148**
1/22/2002	**2/4/2002**	**2/19/2002**	**2123**	**13**	**0.9846**	**1.4358**	**1.4085**	**0.3904**	**2**	**0.3728**	**0.0784**	**0.0511**	**0.0273**
1/22/2002	**2/4/2002**	**2/19/2002**	**2124**	**13**	**0.9834**	**1.4654**	**1.4218**	**0.3866**	**14**	**0.3510**	**0.1310**	**0.0874**	**0.0436**
2/4/2002	**2/18/2002**	**4/9/2002**	**2293**	**14**	**0.9777**	**1.5933**	**1.501**	**0.4253**	**0**	**0.4094**	**0.2062**	**0.1139**	**0.0923**
2/4/2002	**2/18/2002**	**4/9/2002**	**2294**	**14**	**0.9776**	**1.6593**	**1.5588**	**0.426**	**0**	**0.4101**	**0.2716**	**0.1711**	**0.1005**
2/4/2002	**2/18/2002**	**4/9/2002**	**2295**	**14**	**0.9934**	**1.5313**	**1.4799**	**0.4254**	**0**	**0.4095**	**0.1284**	**0.0770**	**0.0514**
2/4/2002	**2/18/2002**	**4/9/2002**	**2296**	**14**	**0.9799**	**1.7828**	**1.5918**	**0.4272**	**0**	**0.4112**	**0.3917**	**0.2007**	**0.1910**
2/4/2002	**2/18/2002**	**4/9/2002**	**2297**	**14**	**0.9904**	**3.8094**	**2.0154**	**0.4284**	**0**	**0.4124**	**2.4066**	**0.6126**	**1.7940**
2/4/2002	**2/18/2002**	**4/9/2002**	**2298**	**14**	**0.9742**	**1.9058**	**1.6252**	**0.4273**	**1**	**0.4098**	**0.5218**	**0.2412**	**0.2806**
2/4/2002	**2/18/2002**	**4/9/2002**	**2299**	**14**	**0.9816**	**1.4633**	**1.4415**	**0.4256**	**0**	**0.4097**	**0.0720**	**0.0502**	**0.0218**
2/4/2002	**2/18/2002**	**4/9/2002**	**2300**	**14**	**0.9765**	**1.4734**	**1.4413**	**0.4228**	**0**	**0.4070**	**0.0899**	**0.0578**	**0.0321**
2/4/2002	**2/18/2002**	**4/9/2002**	**2301**	**14**	**0.9749**	**1.5004**	**1.4592**	**0.4223**	**0**	**0.4065**	**0.1190**	**0.0778**	**0.0412**

TABLE B2: Sediment trap data

Site 422													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
2/4/2002	**2/18/2002**	**4/9/2002**	**2302**	**14**	**0.9733**	**1.6348**	**1.4976**	**0.4244**	**1**	**0.4070**	**0.2545**	**0.1173**	**0.1372**
2/4/2002	**2/18/2002**	**4/9/2002**	**2303**	**14**	**0.9840**	**1.7213**	**1.5783**	**0.4227**	**0**	**0.4069**	**0.3304**	**0.1874**	**0.1430**
2/4/2002	**2/18/2002**	**4/9/2002**	**2304**	**14**	**0.9806**	**1.5713**	**1.5004**	**0.4236**	**2**	**0.4047**	**0.1860**	**0.1151**	**0.0709**
2/18/2002	3/3/2002	4/11/2002	2437	13	0.9813	1.4515	1.4221	0.4264	0	0.4105	0.0597	0.0303	0.0294
2/18/2002	3/3/2002	4/11/2002	2438	13	0.9842	1.4418	1.4244	0.4282	0	0.4122	0.0454	0.0280	0.0174
2/18/2002	3/3/2002	4/11/2002	2439	13	0.9858	1.4759	1.4497	0.4303	0	0.4142	0.0759	0.0497	0.0262
2/18/2002	3/3/2002	4/11/2002	2440	13	0.9906	1.7402	1.6074	0.428	0	0.4120	0.3376	0.2048	0.1328
2/18/2002	3/3/2002	4/11/2002	2441	13	0.9887	1.4794	1.4475	0.4322	1	0.4145	0.0762	0.0443	0.0319
2/18/2002	3/3/2002	4/11/2002	2442	13	0.9855	1.5104	1.4605	0.4317	0	0.4156	0.1093	0.0594	0.0499
2/18/2002	3/3/2002	4/11/2002	2443	13	0.9894	1.4075	1.401	0.4274	4	0.4054	0.0127	0.0062	0.0065
2/18/2002	3/3/2002	4/11/2002	2444	13	0.9852	1.4159	1.4055	0.4294	0	0.4133	0.0174	0.0070	0.0104
2/18/2002	3/3/2002	4/11/2002	2445	13	0.9849	1.5121	1.4624	0.4298	0	0.4137	0.1135	0.0638	0.0497
2/18/2002	3/3/2002	4/11/2002	2446	13	0.9827	1.7643	1.6155	0.4287	0	0.4127	0.3689	0.2201	0.1488
2/18/2002	3/3/2002	4/11/2002	2447	13	0.9821	1.4665	1.4323	0.4278	0	0.4118	0.0726	0.0384	0.0342
2/18/2002	3/3/2002	4/11/2002	2448	13	0.9811	1.418	1.4006	0.4281	20	0.3818	0.0551	0.0377	0.0174
3/3/2002	**3/25/2002**	**5/2/2002**	**2533**	**22**	**0.9879**	**1.9887**	**1.7087**	**0.4291**	**0**	**0.4131**	**0.5877**	**0.3077**	**0.2800**
3/3/2002	**3/25/2002**	**5/2/2002**	**2534**	**22**	**0.9846**	**2.796**	**2.0675**	**0.4285**	**0**	**0.4125**	**1.3989**	**0.6704**	**0.7285**
3/3/2002	**3/25/2002**	**5/2/2002**	**2535**	**22**	**0.9801**	**1.8342**	**1.6672**	**0.4299**	**0**	**0.4138**	**0.4403**	**0.2733**	**0.1670**
3/3/2002	**3/25/2002**	**5/2/2002**	**2536**	**22**	**0.9777**	**1.7459**	**1.6013**	**0.4291**	**0**	**0.4131**	**0.3551**	**0.2105**	**0.1446**
3/3/2002	**3/25/2002**	**5/2/2002**	**2537**	**22**	**381.2700**	**429.21**	**415.54**	**0.4261**	**0**	**0.4102**	**47.5298**	**33.8598**	**13.6700**
3/3/2002	**3/25/2002**	**5/2/2002**	**2538**	**22**	**383.4300**	**427.23**	**405.11**	**0.4297**	**0**	**0.4136**	**43.3864**	**21.2664**	**22.1200**
3/3/2002	**3/25/2002**	**5/2/2002**	**2539**	**22**	**0.9799**	**2.6255**	**2.1306**	**0.4282**	**0**	**0.4122**	**1.2334**	**0.7385**	**0.4949**
3/3/2002	**3/25/2002**	**5/2/2002**	**2540**	**22**	**0.9861**	**3.4697**	**2.4886**	**0.4273**	**4**	**0.4053**	**2.0783**	**1.0972**	**0.9811**
3/3/2002	**3/25/2002**	**5/2/2002**	**2541**	**22**	**0.9781**	**1.7516**	**1.5891**	**0.4299**	**0**	**0.4138**	**0.3597**	**0.1972**	**0.1625**
3/3/2002	**3/25/2002**	**5/2/2002**	**2542**	**22**	**0.9766**	**1.6304**	**1.539**	**0.4272**	**0**	**0.4112**	**0.2426**	**0.1512**	**0.0914**
3/3/2002	**3/25/2002**	**5/2/2002**	**2543**	**22**	**0.9768**	**1.6217**	**1.5257**	**0.4263**	**14**	**0.3892**	**0.2557**	**0.1597**	**0.0960**
3/3/2002	**3/25/2002**	**5/2/2002**	**2544**	**22**	**0.9809**	**1.7238**	**1.59**	**0.4282**	**0**	**0.4122**	**0.3307**	**0.1969**	**0.1338**
3/25/2002	5/7/2002	5/21/2002	2725	43	0.9352	1.7719	1.5243	0.4293	1	0.4117	0.4250	0.1774	0.2476
3/25/2002	5/7/2002	5/21/2002	2726	43	0.9321	1.9307	1.5893	0.4294	1	0.4118	0.5868	0.2454	0.3414
3/25/2002	5/7/2002	5/21/2002	2727	43	0.9339	1.7422	1.538	0.4261	14	0.3890	0.4193	0.2151	0.2042
3/25/2002	5/7/2002	5/21/2002	2728	43	0.9388	1.7441	1.5355	0.4247	0	0.4088	0.3965	0.1879	0.2086
3/25/2002	5/7/2002	5/21/2002	2729	43	0.9363	8.86	4.0392	0.4332	2	0.4140	7.5097	2.6889	4.8208
3/25/2002	5/7/2002	5/21/2002	2730	43	0.9356	2.5187	1.9627	0.427	1	0.4095	1.1736	0.6176	0.5560
3/25/2002	5/7/2002	5/21/2002	2731	43	0.9361	1.8795	1.5621	0.4235	4	0.4016	0.5418	0.2244	0.3174
3/25/2002	5/7/2002	5/21/2002	2732	43	0.9389	1.527	1.3812	0.4335	46	0.3477	0.2404	0.0946	0.1458
3/25/2002	5/7/2002	5/21/2002	2733	43	0.9383	1.4523	1.3873	0.4283	1	0.4108	0.1032	0.0382	0.0650
3/25/2002	5/7/2002	5/21/2002	2734	43	0.9382	1.5674	1.439	0.4289	2	0.4098	0.2194	0.0910	0.1284
3/25/2002	5/7/2002	5/21/2002	2735	43	0.9355	1.2184	1.1891	0.4322	137	0.2088	0.0741	0.0448	0.0293
3/25/2002	5/7/2002	5/21/2002	2736	43	0.9402	1.7749	1.5698	0.4262	14	0.3891	0.4456	0.2405	0.2051
5/7/2002	6/11/2002	6/18/2002	2905	35	0.9740	1.6426	1.4843	0.4236	4	0.4017	0.2669	0.1086	0.1583
5/7/2002	6/11/2002	6/18/2002	2906	35	0.9745	1.5502	1.4464	0.4252	0	0.4093	0.1664	0.0626	0.1038
5/7/2002	6/11/2002	6/18/2002	2907	35	0.9797	1.6662	1.53	0.4271	0	0.4111	0.2754	0.1392	0.1362
5/7/2002	6/11/2002	6/18/2002	2908	35	0.9780	1.6796	1.5468	0.4219	0	0.4061	0.2955	0.1627	0.1328
5/7/2002	6/11/2002	6/18/2002	2909	35	0.9770	1.5093	1.4544	0.4279	2	0.4089	0.1234	0.0685	0.0549
5/7/2002	6/11/2002	6/18/2002	2910	35	0.9714	1.5463	1.4771	0.4251	0	0.4092	0.1657	0.0965	0.0692
5/7/2002	6/11/2002	6/18/2002	2911	35	0.9755	1.5056	1.4258	0.4249	0	0.4090	0.1211	0.0413	0.0798
5/7/2002	6/11/2002	6/18/2002	2912	35	0.9734	1.4881	1.4218	0.4241	1	0.4067	0.1080	0.0417	0.0663
5/7/2002	6/11/2002	6/18/2002	2913	35	0.9738	1.4822	1.4252	0.4287	0	0.4127	0.0957	0.0387	0.0570
5/7/2002	6/11/2002	6/18/2002	2914	35	0.9714	1.482	1.4206	0.4267	0	0.4107	0.0999	0.0385	0.0614
5/7/2002	6/11/2002	6/18/2002	2915	35	NV	NV	NV	0.4256	0	0.4097	NV	NV	NV
5/7/2002	6/11/2002	6/18/2002	2916	35	NV	NV	NV	0.4219	0	0.4061	NV	NV	NV
6/11/2002	7/16/2002	7/24/2002	**3035**	35	0.9615	1.5348	1.4114	0.4313	0	0.4152	0.1581	0.0347	0.1234
6/11/2002	7/16/2002	7/24/2002	**3036**	35	0.9657	1.5825	1.4826	0.4286	0	0.4126	0.2042	0.1043	0.0999
6/11/2002	7/16/2002	7/24/2002	**3033**	35	0.9652	1.6475	1.4637	0.4278	0	0.4118	0.2705	0.0867	0.1838
6/11/2002	7/16/2002	7/24/2002	**3034**	35	0.9654	1.6807	1.4746	0.4317	0	0.4156	0.2997	0.0936	0.2061

TABLE B2: Sediment trap data

Site 422													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
6/11/2002	7/16/2002	7/24/2002	**3031**	35	0.9678	3.7739	2.7833	0.4305	10	0.3993	2.4068	1.4162	0.9906
6/11/2002	7/16/2002	7/24/2002	**3032**	35	0.9671	6.1036	4.2434	0.4288	0	0.4128	4.7237	2.8635	1.8602
6/11/2002	7/16/2002	7/24/2002	**3029**	35	0.9646	2.0372	1.6382	0.4293	0	0.4132	0.6594	0.2604	0.3990
6/11/2002	7/16/2002	7/24/2002	**3030**	35	0.9616	1.6612	1.494	0.4275	20	0.3813	0.3183	0.1511	0.1672
6/11/2002	7/16/2002	7/24/2002	**3027**	35	0.9684	1.8726	1.6005	0.4257	0	0.4098	0.4944	0.2223	0.2721
6/11/2002	7/16/2002	7/24/2002	**3028**	35	0.9691	1.7948	1.5689	0.4286	0	0.4126	0.4131	0.1872	0.2259
6/11/2002	7/16/2002	7/24/2002	**3025**	35	0.9603	1.9284	1.5687	0.4254	60	0.3187	0.6494	0.2897	0.3597
6/11/2002	7/16/2002	7/24/2002	**3026**	35	0.9662	1.9018	1.5642	0.429	10	0.3978	0.5378	0.2002	0.3376
7/16/2002	8/9/2002	8/13/2002	3230	24	0.9723	1.5913	1.4582	0.426	0	0.4101	0.2089	0.0758	0.1331
7/16/2002	8/9/2002	8/13/2002	3231	24	0.9715	1.495	1.4147	0.4262	4	0.4042	0.1193	0.0390	0.0803
7/16/2002	8/9/2002	8/13/2002	3232	24	0.9714	1.6032	1.4783	0.4277	0	0.4117	0.2201	0.0952	0.1249
7/16/2002	8/9/2002	8/13/2002	3233	24	0.9680	1.6232	1.4942	0.4269	0	0.4109	0.2443	0.1153	0.1290
7/16/2002	8/9/2002	8/13/2002	3234	24	0.9775	1.5308	1.4108	0.4323	0	0.4161	0.1372	0.0172	0.1200
7/16/2002	8/9/2002	8/13/2002	3235	24	0.9778	1.4361	1.3981	0.428	0	0.4120	0.0463	0.0083	0.0380
7/16/2002	8/9/2002	8/13/2002	3236	24	0.9652	1.4051	1.3745	0.427	2	0.4080	0.0319	0.0013	0.0306
7/16/2002	8/9/2002	8/13/2002	3237	24	0.9702	1.3942	1.3753	0.4267	4	0.4047	0.0193	0.0004	0.0189
7/16/2002	8/9/2002	8/13/2002	3238	24	0.9704	1.4031	1.3798	0.4278	2	0.4088	0.0239	0.0006	0.0233
7/16/2002	8/9/2002	8/13/2002	3239	24	0.9668	1.4045	1.3734	0.423	2	0.4042	0.0335	0.0024	0.0311
7/16/2002	8/9/2002	8/13/2002	3240	24	0.9714	1.522	1.4197	0.4291	1	0.4115	0.1391	0.0368	0.1023
7/16/2002	8/9/2002	8/13/2002	3241	24	0.9674	1.4412	1.4063	0.4266	0	0.4106	0.0632	0.0283	0.0349

Table B2: Sediment trap data

Site 432													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/19/2001	2/20/2001	3/6/2001	97	32	30.3438	31.015	30.9306	0.3982	0	0.3833	0.2879	0.2035	0.0844
1/19/2001	2/20/2001	3/6/2001	98	32	31.9267	32.4545	32.4067	0.3974	0	0.3825	0.1453	0.0975	0.0478
1/19/2001	2/20/2001	3/6/2001	99	32	33.5623	34.3209	34.2524	0.3944	0	0.3796	0.3790	0.3105	0.0685
1/19/2001	2/20/2001	3/6/2001	100	32	30.8964	31.6641	31.5300	0.4002	0	0.3852	0.3825	0.2484	0.1341
1/19/2001	2/20/2001	3/6/2001	101	32	28.8880	29.4473	29.3991	0.3953	0	0.3805	0.1788	0.1306	0.0482
1/19/2001	2/20/2001	3/6/2001	102	32	28.9597	29.42	29.3898	0.3993	0	0.3844	0.0759	0.0457	0.0302
1/19/2001	2/20/2001	3/6/2001	103	32	30.8010	31.2519	31.218	0.3958	0	0.3810	0.0699	0.0360	0.0339
1/19/2001	2/20/2001	3/6/2001	104	32	30.9995	31.4951	31.4395	0.3943	0	0.3796	0.1160	0.0604	0.0556
1/19/2001	2/20/2001	3/6/2001	105	32	30.9078	31.3819	31.3555	0.4005	0	0.3855	0.0886	0.0622	0.0264
1/19/2001	2/20/2001	3/6/2001	106	32	142.5900	163.05	158.11	0.3998	0	0.3848	20.0752	15.1352	4.9400
1/19/2001	2/20/2001	3/6/2001	107	32	149.7200	157.8	155.86	0.3942	0	0.3795	7.7005	5.7605	1.9400
1/19/2001	2/20/2001	3/6/2001	108	32	141.4500	153.13	150.05	0.3992	0	0.3843	11.2957	8.2157	3.0800
2/22/2001	3/2/2001	3/13/2001	325	8	31.1354	31.5691	31.5502	0.3986	0	0.3837	0.0500	0.0311	0.0189
2/22/2001	3/2/2001	3/13/2001	326	8	16.7172	17.1069	17.0978	0.3997	0	0.3848	0.0049	-0.0042	0.0091
2/22/2001	3/2/2001	3/13/2001	327	8	18.3492	18.7449	18.7358	0.3974	0	0.3825	0.0132	0.0041	0.0091
2/22/2001	3/2/2001	3/13/2001	328	8	31.7496	32.1437	32.1362	0.3902	0	0.3756	0.0185	0.0110	0.0075
2/22/2001	3/2/2001	3/13/2001	329	8	30.6796	31.0448	31.0379	0.3934	0	0.3787	-0.0135	-0.0204	0.0069
2/22/2001	3/2/2001	3/13/2001	330	8	29.3658	29.7473	29.7403	0.3984	0	0.3835	-0.0020	-0.0090	0.0070
2/22/2001	3/2/2001	3/13/2001	331	8	29.8744	30.2695	30.2602	0.3971	0	0.3822	0.0129	0.0036	0.0093
2/22/2001	3/2/2001	3/13/2001	332	8	28.9359	29.3318	29.3244	0.3995	0	0.3846	0.0113	0.0039	0.0074
2/22/2001	3/2/2001	3/13/2001	333	8	30.0225	31.0364	30.8808	0.3961	0	0.3813	0.6326	0.4770	0.1556
2/22/2001	3/2/2001	3/13/2001	334	8	28.9601	29.5394	29.4806	0.3993	0	0.3844	0.1949	0.1361	0.0588
2/22/2001	3/2/2001	3/13/2001	335	8	30.6692	31.2014	31.1598	0.3943	0	0.3796	0.1526	0.1110	0.0416
2/22/2001	3/2/2001	3/13/2001	336	8	30.8103	31.3788	31.3271	0.3978	0	0.3829	0.1856	0.1339	0.0517
3/2/2001	**3/16/2001**	**4/2/2001**	**409**	**14**	**2.5270**	**7.0239**	**6.477**	**0.3823**	**8**	**0.3559**	**4.1437**	**3.6009**	**0.5428**
3/2/2001	**3/16/2001**	**4/2/2001**	**410**	**14**	**2.5130**	**7.924**	**7.2409**	**0.3793**	**22**	**0.3318**	**5.0819**	**4.4028**	**0.6790**
3/2/2001	**3/16/2001**	**4/2/2001**	**411**	**14**	**2.5493**	**8.0029**	**7.2797**	**0.3838**	**29**	**0.3256**	**5.1308**	**4.4117**	**0.7191**
3/2/2001	**3/16/2001**	**4/2/2001**	**412**	**14**	**2.5177**	**8.3122**	**7.544**	**0.3785**	**33**	**0.3144**	**5.4828**	**4.7187**	**0.7641**
3/2/2001	**3/16/2001**	**4/2/2001**	**413**	**14**	**2.5203**	**4.1556**	**3.9863**	**0.3794**	**2.5**	**0.3614**	**1.2766**	**1.1114**	**0.1652**
3/2/2001	**3/16/2001**	**4/2/2001**	**414**	**14**	**2.5342**	**3.8327**	**3.7054**	**0.3791**	**11**	**0.3483**	**0.9530**	**0.8298**	**0.1232**
3/2/2001	**3/16/2001**	**4/2/2001**	**415**	**14**	**2.5107**	**4.1052**	**3.9454**	**0.3805**	**9**	**0.3527**	**1.2446**	**1.0888**	**0.1558**
3/2/2001	**3/16/2001**	**4/2/2001**	**416**	**14**	**2.5213**	**4.2481**	**4.0681**	**0.3987**	**3**	**0.3793**	**1.3503**	**1.1744**	**0.1759**
3/2/2001	**3/16/2001**	**4/2/2001**	**417**	**14**	**2.5117**	**4.5573**	**4.1588**	**0.3835**	**11**	**0.3525**	**1.6958**	**1.3014**	**0.3944**
3/2/2001	**3/16/2001**	**4/2/2001**	**418**	**14**	**2.5355**	**4.1683**	**3.9766**	**0.3844**	**6**	**0.3609**	**1.2746**	**1.0870**	**0.1876**
3/2/2001	**3/16/2001**	**4/2/2001**	**419**	**14**	**2.5208**	**4.5285**	**4.2601**	**0.3872**	**8**	**0.3606**	**1.6498**	**1.3855**	**0.2643**
3/2/2001	**3/16/2001**	**4/2/2001**	**420**	**14**	**2.5205**	**4.2792**	**4.0519**	**0.3864**	**2**	**0.3689**	**1.3925**	**1.1693**	**0.2232**
3/16/2001	**3/30/2001**	**5/21/2001**	**625**	**14**	**1.0183**	**4.8169**	**4.411**	**0.3842**	**4**	**0.3638**	**3.4359**	**3.0317**	**0.4043**
3/16/2001	**3/30/2001**	**5/21/2001**	**626**	**14**	**1.0234**	**3.653**	**3.5866**	**0.384**	**2**	**0.3666**	**2.2641**	**2.1994**	**0.0647**
3/16/2001	**3/30/2001**	**5/21/2001**	**627**	**14**	**1.0206**	**5.303**	**4.8661**	**0.3931**	**2**	**0.3754**	**3.9081**	**3.4729**	**0.4353**
3/16/2001	**3/30/2001**	**5/21/2001**	**628**	**14**	**1.0182**	**5.928**	**5.4224**	**0.3903**	**2**	**0.3727**	**4.5382**	**4.0343**	**0.5040**
3/16/2001	**3/30/2001**	**5/21/2001**	**629**	**14**	**1.0158**	**1.5867**	**1.5533**	**0.3886**	**0.5**	**0.3733**	**0.1987**	**0.1669**	**0.0318**
3/16/2001	**3/30/2001**	**5/21/2001**	**630**	**14**	**1.0148**	**2.6285**	**2.4639**	**0.3862**	**1.5**	**0.3695**	**1.2453**	**1.0824**	**0.1630**
3/16/2001	**3/30/2001**	**5/21/2001**	**631**	**14**	**1.0131**	**2.8296**	**2.6531**	**0.3883**	**1**	**0.3723**	**1.4453**	**1.2705**	**0.1749**
3/16/2001	**3/30/2001**	**5/21/2001**	**632**	**14**	**1.0188**	**2.1785**	**2.0826**	**0.3934**	**0**	**0.3787**	**0.7821**	**0.6879**	**0.0943**
3/16/2001	**3/30/2001**	**5/21/2001**	**633**	**14**	**1.0154**	**2.7312**	**2.5111**	**0.3914**	**2**	**0.3737**	**1.3432**	**1.1247**	**0.2185**
3/16/2001	**3/30/2001**	**5/21/2001**	**634**	**14**	**1.0123**	**2.808**	**2.5796**	**0.3888**	**2**	**0.3712**	**1.4256**	**1.1988**	**0.2268**
3/16/2001	**3/30/2001**	**5/21/2001**	**635**	**14**	**1.0147**	**3.7949**	**3.367**	**0.3862**	**4**	**0.3657**	**2.4156**	**1.9893**	**0.4263**
3/16/2001	**3/30/2001**	**5/21/2001**	**636**	**14**	**1.0198**	**2.9702**	**2.696**	**0.3916**	**0**	**0.3770**	**1.5746**	**1.3020**	**0.2726**
3/30/2001	4/27/2001	5/22/2001	733	28	0.9695	1.7272	1.6336	0.4435	0	0.4269	0.3318	0.2398	0.0920
3/30/2001	4/27/2001	5/22/2001	734	28	0.9697	1.7706	1.6934	0.4371	0	0.4208	0.3812	0.3056	0.0756
3/30/2001	4/27/2001	5/22/2001	735	28	0.9718	1.73	1.6556	0.4278	0	0.4118	0.3475	0.2746	0.0728
3/30/2001	4/27/2001	5/22/2001	736	28	0.9689	1.7748	1.6915	0.4189	0	0.4032	0.4037	0.3220	0.0817
3/30/2001	4/27/2001	5/22/2001	737	28	0.9701	3.7809	3.3328	0.4313	1	0.4137	2.3982	1.9517	0.4465
3/30/2001	4/27/2001	5/22/2001	738	28	0.9748	2.8379	2.5903	0.4544	0	0.4374	1.4268	1.1807	0.2460
3/30/2001	4/27/2001	5/22/2001	739	28	0.9729	2.1933	2.0183	0.4544	0	0.4374	0.7841	0.6106	0.1734

Table B2: Sediment trap data

Site 432													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
3/30/2001	4/27/2001	5/22/2001	740	28	0.9704	2.348	2.117	0.4443	0	0.4277	0.9510	0.7215	0.2294
3/30/2001	4/27/2001	5/22/2001	741	28	0.9681	2.9342	2.6222	0.4567	12	0.4215	1.5457	1.2352	0.3104
3/30/2001	4/27/2001	5/22/2001	742	28	0.9699	3.9642	3.4612	0.451	4	0.4281	2.5673	2.0658	0.5014
3/30/2001	4/27/2001	5/22/2001	743	28	0.9755	3.1693	2.9007	0.4491	1	0.4308	1.7641	1.4970	0.2670
3/30/2001	4/27/2001	5/22/2001	744	28	0.9690	4.1622	3.6629	0.4463	10	0.4145	2.7798	2.2820	0.4977
4/27/2001	5/18/2001	6/11/2001	937	21	0.9763	2.6429	2.3105	0.3932	0	0.3785	1.2892	0.9583	0.3308
4/27/2001	5/18/2001	6/11/2001	938	21	0.9748	2.4962	2.0079	0.3908	2	0.3732	1.1493	0.6626	0.4867
4/27/2001	5/18/2001	6/11/2001	939	21	0.9771	2.1457	1.9474	0.3902	1	0.3741	0.7956	0.5988	0.1967
4/27/2001	5/18/2001	6/11/2001	940	21	0.9755	2.1263	1.8981	0.3944	0.5	0.3789	0.7730	0.5463	0.2266
4/27/2001	5/18/2001	6/11/2001	941	21	0.9724	2.614	2.2675	0.3934	6	0.3696	1.2730	0.9281	0.3449
4/27/2001	5/18/2001	6/11/2001	942	21	0.9751	1.9387	1.7458	0.3955	1	0.3792	0.5855	0.3941	0.1913
4/27/2001	5/18/2001	6/11/2001	943	21	0.9725	1.8261	1.6477	0.3957	0	0.3809	0.4738	0.2969	0.1768
4/27/2001	5/18/2001	6/11/2001	944	21	0.9712	2.1116	1.8816	0.3991	0	0.3842	0.7573	0.5288	0.2284
4/27/2001	5/18/2001	6/11/2001	945	21	0.9775	3.4278	2.4865	0.3929	3	0.3737	2.0777	1.1380	0.9397
4/27/2001	5/18/2001	6/11/2001	946	21	0.9767	2.998	2.5826	0.3969	3	0.3775	1.6448	1.2310	0.4138
4/27/2001	5/18/2001	6/11/2001	947	21	0.9803	3.1928	2.7122	0.3936	0	0.3789	1.8347	1.3557	0.4790
4/27/2001	5/18/2001	6/11/2001	948	21	0.9762	3.5885	2.7934	0.3976	0	0.3827	2.2306	1.4371	0.7935
5/18/2001	6/25/2001	7/10/2001	961	38	0.9726	1.513	1.4185	0.3935	2	0.3758	0.1657	0.0728	0.0929
5/18/2001	6/25/2001	7/10/2001	962	38	0.9780	1.5822	1.4562	0.395	4	0.3742	0.2311	0.1067	0.1244
5/18/2001	6/25/2001	7/10/2001	963	38	0.9756	1.5412	1.45	0.3938	0	0.3791	0.1876	0.0980	0.0896
5/18/2001	6/25/2001	7/10/2001	964	38	0.9787	1.5886	1.488	0.3991	2	0.3811	0.2298	0.1308	0.0990
5/18/2001	6/25/2001	7/10/2001	965	38	0.9784	1.4954	1.4286	0.3966	2	0.3787	0.1393	0.0741	0.0652
5/18/2001	6/25/2001	7/10/2001	966	38	0.9767	1.5118	1.4138	0.3947	1	0.3784	0.1577	0.0613	0.0964
5/18/2001	6/25/2001	7/10/2001	967	38	0.9730	1.5113	1.4147	0.3976	10	0.3676	0.1718	0.0767	0.0950
5/18/2001	6/25/2001	7/10/2001	968	38	0.9797	1.5054	1.4322	0.3955	11	0.3641	0.1627	0.0911	0.0716
5/18/2001	6/25/2001	7/10/2001	969	38	0.9796	1.8332	1.7	0.3959	2	0.3781	0.4766	0.3450	0.1316
5/18/2001	6/25/2001	7/10/2001	970	38	0.9767	2.8945	2.5646	0.394	0	0.3793	1.5396	1.2113	0.3283
5/18/2001	6/25/2001	7/10/2001	971	38	0.9755	4.5771	3.9626	0.3943	0	0.3796	3.2231	2.6102	0.6129
5/18/2001	6/25/2001	7/10/2001	972	38	0.9731	3.1015	2.6775	0.3943	0	0.3796	1.7499	1.3275	0.4224
6/25/2001	7/27/2001	8/9/2001	1201	32	0.9843	1.4867	1.3935	0.413	4	0.3915	0.1120	0.0204	0.0916
6/25/2001	7/27/2001	8/9/2001	1202	32	0.9813	1.5111	1.4016	0.4136	1	0.3966	0.1342	0.0263	0.1079
6/25/2001	7/27/2001	8/9/2001	1203	32	0.9763	1.3863	1.3617	0.4139	2	0.3954	0.0157	-0.0074	0.0230
6/25/2001	7/27/2001	8/9/2001	1204	32	0.9804	1.358	1.3377	0.4153	7	0.3892	-0.0105	-0.0292	0.0187
6/25/2001	7/27/2001	8/9/2001	1205	32	0.9757	1.431	1.3824	0.416	3	0.3959	0.0605	0.0134	0.0470
6/25/2001	7/27/2001	8/9/2001	1206	32	0.9740	1.4519	1.3729	0.4176	3	0.3974	0.0815	0.0041	0.0774
6/25/2001	7/27/2001	8/9/2001	1207	32	0.9724	1.5334	1.4754	0.4123	0	0.3969	0.1652	0.1087	0.0564
6/25/2001	7/27/2001	8/9/2001	1208	32	0.9837	1.4963	1.4246	0.4164	1	0.3993	0.1144	0.0442	0.0701
6/25/2001	7/27/2001	8/9/2001	1209	32	0.9768	3.5088	3.0263	0.4175	1	0.4004	2.1327	1.6518	0.4809
6/25/2001	7/27/2001	8/9/2001	1210	32	0.9765	4.3355	3.6803	0.4146	0	0.3991	2.9610	2.3073	0.6536
6/25/2001	7/27/2001	8/9/2001	1211	32	0.9756	1.5871	1.52	0.4187	2	0.4000	0.2125	0.1470	0.0655
6/25/2001	7/27/2001	8/9/2001	1212	32	NV	NV	NV	NV	0	NV	NV	NV	NV
7/27/2001	9/8/2001	10/17/2001	1393	43	0.9738	1.5459	1.3802	0.4089	5	0.3860	0.1871	0.0230	0.1641
7/27/2001	9/8/2001	10/17/2001	1394	43	0.9715	1.5897	1.3905	0.4145		0.3990	0.2203	0.0226	0.1976
7/27/2001	9/8/2001	10/17/2001	1395	43	0.9712	1.5319	1.4091	0.4142	2	0.3957	0.1661	0.0448	0.1212
7/27/2001	9/8/2001	10/17/2001	1396	43	0.9730	1.5252	1.4317	0.4124	0	0.3970	0.1563	0.0644	0.0919
7/27/2001	9/8/2001	10/17/2001	1397	43	0.9689	1.6035	1.3879	0.4107	0	0.3953	0.2403	0.0263	0.2140
7/27/2001	9/8/2001	10/17/2001	1398	43	0.9711	1.5660	1.3947	0.4155	3	0.3954	0.2005	0.0308	0.1697
7/27/2001	9/8/2001	10/17/2001	1399	43	0.9748	1.6919	1.4719	0.4155	0	0.4000	0.3182	0.0998	0.2184
7/27/2001	9/8/2001	10/17/2001	1400	43	0.9696	1.5773	1.4039	0.4123	0	0.3969	0.2119	0.0400	0.1718
7/27/2001	9/8/2001	10/17/2001	1401	43	0.9702	4.2011	3.6497	0.4125	0	0.3971	2.8349	2.2850	0.5498
7/27/2001	9/8/2001	10/17/2001	1402	43	0.9712	4.1202	3.5715	0.4151	0	0.3996	2.7505	2.2033	0.5471
7/27/2001	9/8/2001	10/17/2001	1403	43	0.9751	6.2167	5.2493	0.4135		0.3980	4.8446	3.8788	0.9658
7/27/2001	9/8/2001	10/17/2001	1404	43	0.9749	2.3008	2.0849	0.413	65.5	0.2985	1.0285	0.8141	0.2143
9/8/2001	10/19/2001	1/9/2001	1573	41	0.9505	2.4954	2.1153	0.4248	0	0.4089	1.1370	0.7585	0.3786
9/8/2001	10/19/2001	1/9/2001	1574	41	0.9509	2.6227	2.2291	0.4145	1	0.3975	1.2753	0.8833	0.3921

Table B2: Sediment trap data

Site 432													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
9/8/2001	10/19/2001	1/9/2001	1575	41	0.9629	2.4436	2.1123	0.4179	0	0.4023	1.0795	0.7497	0.3297
9/8/2001	10/19/2001	1/9/2001	1576	41	0.9615	2.4045	2.1141	0.4196	0	0.4039	1.0401	0.7513	0.2888
9/8/2001	10/19/2001	1/9/2001	1577	41	0.9612	1.9359	1.7211	0.4228	0	0.4070	0.5688	0.3555	0.2132
9/8/2001	10/19/2001	1/9/2001	1578	41	0.9579	1.7153	1.5516	0.4247	0	0.4088	0.3496	0.1875	0.1622
9/8/2001	10/19/2001	1/9/2001	1579	41	0.9579	1.8165	1.6337	0.4158	0	0.4002	0.4594	0.2781	0.1813
9/8/2001	10/19/2001	1/9/2001	1580	41	0.9600	1.9169	1.7202	0.4186	1	0.4014	0.5565	0.3614	0.1952
9/8/2001	10/19/2001	1/9/2001	1581	41	0.9599	3.2548	2.8418	0.4184	0	0.4028	1.8932	1.4817	0.4115
9/8/2001	10/19/2001	1/9/2001	1582	41	0.9606	5.0571	4.1596	0.4231	0	0.4073	3.6903	2.7943	0.8960
9/8/2001	10/19/2001	1/9/2001	1583	41	0.9566	4.6778	3.9017	0.421	1	0.4037	3.3185	2.5439	0.7746
9/8/2001	10/19/2001	1/9/2001	1584	41	0.9541	2.0762	1.8786	0.416	0	0.4004	0.7227	0.5266	0.1961
10/19/2001	11/16/2001	1/14/2002	1825	28	0.9767	1.7042	1.5998	0.3941	0	0.3794	0.3492	0.2464	0.1028
10/19/2001	11/16/2001	1/14/2002	1826	28	0.9779	2.2958	2.06	0.3877	0	0.3732	0.9458	0.7115	0.2342
10/19/2001	11/16/2001	1/14/2002	1827	28	0.9802	2.5144	2.1244	0.3864	0	0.3719	1.1633	0.7749	0.3884
10/19/2001	11/16/2001	1/14/2002	1828	28	0.9810	1.9803	1.7635	0.3939	0	0.3792	0.6212	0.4060	0.2152
10/19/2001	11/16/2001	1/14/2002	1829	28	0.9815	3.2378	2.7694	0.3932	0	0.3785	1.8789	1.4121	0.4668
10/19/2001	11/16/2001	1/14/2002	1830	28	0.9839	1.7568	1.6073	0.3965	0	0.3817	0.3923	0.2444	0.1479
10/19/2001	11/16/2001	1/14/2002	1831	28	0.9849	1.8339	1.7042	0.3974	0	0.3825	0.4675	0.3394	0.1281
10/19/2001	11/16/2001	1/14/2002	1832	28	0.9890	1.4634	1.4315	0.3979	0	0.3830	0.0925	0.0622	0.0303
10/19/2001	11/16/2001	1/14/2002	1833	28	0.9608	4.1675	3.4515	0.3967	0	0.3819	2.8259	2.1114	0.7145
10/19/2001	11/16/2001	1/14/2002	1834	28	0.9623	3.7532	3.1653	0.3976	0	0.3827	2.4092	1.8229	0.5863
10/19/2001	11/16/2001	1/14/2002	1835	28	0.9763	2.8533	2.506	0.4036	0	0.3885	1.4896	1.1438	0.3457
10/19/2001	11/16/2001	1/14/2002	1836	28	0.9780	1.9804	1.811	0.4006	0	0.3856	0.6178	0.4500	0.1678
11/16/2001	12/8/2001	1/31/2002	1969	22	1.0002	1.7006	1.6215	0.4132	0	0.3977	0.3037	0.2263	0.0775
11/16/2001	12/8/2001	1/31/2002	1970	22	0.9970	3.0034	2.6279	0.4066	1	0.3899	1.6176	1.2437	0.3739
11/16/2001	12/8/2001	1/31/2002	1971	22	0.9997	2.4390	2.1655	0.4106	0	0.3952	1.0451	0.7733	0.2719
11/16/2001	12/8/2001	1/31/2002	1972	22	0.9982	4.5727	3.7028	0.4097	0	0.3944	3.1812	2.3129	0.8683
11/16/2001	12/8/2001	1/31/2002	1973	22	0.9976	1.7439	1.6255	0.4101	0	0.3948	0.3526	0.2358	0.1168
11/16/2001	12/8/2001	1/31/2002	1974	22	1.0014	1.7702	1.646	0.4142	1	0.3972	0.3727	0.2501	0.1226
11/16/2001	12/8/2001	1/31/2002	1975	22	0.9972	1.6346	1.5386	0.4179	0	0.4023	0.2362	0.1418	0.0944
11/16/2001	12/8/2001	1/31/2002	1976	22	1.0006	1.5784	1.5203	0.4159	0	0.4003	0.1785	0.1221	0.0565
11/16/2001	12/8/2001	1/31/2002	1977	22	0.9953	3.4304	2.9	0.4148	0	0.3993	2.0369	1.5081	0.5288
11/16/2001	12/8/2001	1/31/2002	1978	22	0.9949	4.1390	3.4049	0.4164	0	0.4008	2.7444	2.0119	0.7325
11/16/2001	12/8/2001	1/31/2002	1979	22	0.9922	5.2385	4.3662	0.4195	0	0.4038	3.8436	2.9729	0.8707
11/16/2001	12/8/2001	1/31/2002	1980	22	0.9916	5.4907	4.5919	0.4202	0	0.4045	4.0957	3.1985	0.8972
12/8/2001	1/21/2002	1/31/2002	2041	44	1.0057	7.0221	5.8143	0.399	0	0.3841	5.6323	4.4245	1.2078
12/8/2001	1/21/2002	1/31/2002	2042	44	3.5242	17.6644	15.255	0.3948	0	0.3800	13.7602	11.3508	2.4094
12/8/2001	1/21/2002	1/31/2002	2043	44	3.5476	15.1511	13.0688	0.3912	0	0.3766	11.2269	9.1446	2.0823
12/8/2001	1/21/2002	1/31/2002	2044	44	3.5267	15.2445	13.3351	0.3898	0	0.3752	11.3426	9.4332	1.9094
12/8/2001	1/21/2002	1/31/2002	2045	44	1.0023	4.6086	3.7658	0.3919	0	0.3772	3.2291	2.3863	0.8428
12/8/2001	1/21/2002	1/31/2002	2046	44	0.9989	3.7423	3.1898	0.4027	0	0.3876	2.3558	1.8033	0.5525
12/8/2001	1/21/2002	1/31/2002	2047	44	0.9991	2.2498	1.9897	0.3988	0	0.3839	0.8668	0.6067	0.2601
12/8/2001	1/21/2002	1/31/2002	2048	44	0.9987	1.7111	1.6413	0.3902	0	0.3756	0.3368	0.2670	0.0698
12/8/2001	1/21/2002	1/31/2002	2049	44	1.0026	4.5797	3.8776	0.3914	0	0.3768	3.2003	2.4982	0.7021
12/8/2001	1/21/2002	1/31/2002	2050	44	1.0050	3.9956	3.3619	0.3898	0	0.3752	2.6154	1.9817	0.6337
12/8/2001	1/21/2002	1/31/2002	2051	44	0.9972	3.9593	3.3817	0.3885	0	0.3740	2.5881	2.0105	0.5776
12/8/2001	1/21/2002	1/31/2002	2052	44	1.0056	3.9923	3.3848	0.3967	0	0.3819	2.6048	1.9973	0.6075
1/21/2002	**2/3/2002**	**4/1/2002**	**2053**	**13**	**0.9755**	**4.6107**	**4.1319**	**0.3943**	**0**	**0.3796**	**3.2556**	**2.7768**	**0.4788**
1/21/2002	**2/3/2002**	**4/1/2002**	**2054**	**13**	**0.9731**	**4.8152**	**4.3503**	**0.3952**	**0**	**0.3804**	**3.4617**	**2.9968**	**0.4649**
1/21/2002	**2/3/2002**	**4/1/2002**	**2055**	**13**	**0.9761**	**5.1356**	**4.5477**	**0.3965**	**0**	**0.3817**	**3.7778**	**3.1899**	**0.5879**
1/21/2002	**2/3/2002**	**4/1/2002**	**2056**	**13**	**0.9793**	**3.8186**	**3.488**	**0.4002**	**1**	**0.3837**	**2.4556**	**2.1250**	**0.3306**
1/21/2002	**2/3/2002**	**4/1/2002**	**2057**	**13**	**0.9795**	**2.3522**	**2.1511**	**0.3965**	**0**	**0.3817**	**0.9910**	**0.7899**	**0.2011**
1/21/2002	**2/3/2002**	**4/1/2002**	**2058**	**13**	**0.9784**	**2.7045**	**2.4403**	**0.3951**	**0**	**0.3803**	**1.3458**	**1.0816**	**0.2642**
1/21/2002	**2/3/2002**	**4/1/2002**	**2059**	**13**	**0.9726**	**1.7699**	**1.6692**	**0.3973**	**0**	**0.3824**	**0.4149**	**0.3142**	**0.1007**
1/21/2002	**2/3/2002**	**4/1/2002**	**2060**	**13**	**0.9737**	**1.6532**	**1.591**	**0.4001**	**0**	**0.3851**	**0.2944**	**0.2322**	**0.0622**
1/21/2002	**2/3/2002**	**4/1/2002**	**2061**	**13**	**0.9740**	**3.1232**	**2.7537**	**0.401**	**0**	**0.3860**	**1.7632**	**1.3937**	**0.3695**

Table B2: Sediment trap data

Site 432													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
1/21/2002	2/3/2002	4/1/2002	2062	13	0.9801	3.2256	2.8412	0.4039	0	0.3888	1.8567	1.4723	0.3844
1/21/2002	2/3/2002	4/1/2002	2063	13	0.9798	5.1144	4.3659	0.4073	0	0.3921	3.7425	2.9940	0.7485
1/21/2002	2/3/2002	4/1/2002	2064	13	0.9794	3.8486	3.3724	0.4135	0	0.3980	2.4712	1.9950	0.4762
2/3/2002	2/16/2002	4/2/2002	2209	13	0.9848	3.8197	3.3877	0.4315	0	0.4154	2.4195	1.9875	0.4320
2/3/2002	2/16/2002	4/2/2002	2210	13	0.9809	6.7215	5.7528	0.427	0	0.4110	5.3296	4.3609	0.9687
2/3/2002	2/16/2002	4/2/2002	2211	13	0.9781	6.3382	5.5065	0.4281	0	0.4121	4.9480	4.1163	0.8317
2/3/2002	2/16/2002	4/2/2002	2212	13	0.9782	3.5192	3.1526	0.4303	0	0.4142	2.1268	1.7602	0.3666
2/3/2002	2/16/2002	4/2/2002	2213	13	0.9792	2.6369	2.3494	0.4267	0	0.4107	1.2470	0.9595	0.2875
2/3/2002	2/16/2002	4/2/2002	2214	13	0.9790	2.1529	1.8972	0.4275	0	0.4115	0.7624	0.5067	0.2557
2/3/2002	2/16/2002	4/2/2002	2215	13	0.9789	2.3554	2.152	0.4267	0	0.4107	0.9658	0.7624	0.2034
2/3/2002	2/16/2002	4/2/2002	2216	13	0.9793	1.9317	1.8344	0.4298	0	0.4137	0.5387	0.4414	0.0973
2/3/2002	2/16/2002	4/2/2002	2217	13	0.9783	3.964	3.4109	0.4316	0	0.4155	2.5702	2.0171	0.5531
2/3/2002	2/16/2002	4/2/2002	2218	13	0.9778	3.7058	3.2081	0.4317	0	0.4156	2.3124	1.8147	0.4977
2/3/2002	2/16/2002	4/2/2002	2219	13	1.9555	11.7393	9.5139	0.4309	0	0.4148	9.3690	7.1436	2.2254
2/3/2002	2/16/2002	4/2/2002	2220	13	0.9763	3.5214	2.9988	0.4291	0	0.4131	2.1320	1.6094	0.5226
2/16/2002	3/3/2002	3/21/2002	2353	15	0.9623	1.6177	1.5836	0.4268	0	0.4108	0.2446	0.2105	0.0341
2/16/2002	3/3/2002	3/21/2002	2354	15	0.9651	1.9178	1.8281	0.427	0	0.4110	0.5417	0.4520	0.0897
2/16/2002	3/3/2002	3/21/2002	2355	15	0.9688	1.7563	1.6648	0.4291	0	0.4131	0.3744	0.2829	0.0915
2/16/2002	3/3/2002	3/21/2002	2356	15	0.9617	1.6505	1.5905	0.4281	2	0.4091	0.2797	0.2197	0.0600
2/16/2002	3/3/2002	3/21/2002	2357	15	0.9693	1.6208	1.562	0.4287	0	0.4127	0.2388	0.1800	0.0588
2/16/2002	3/3/2002	3/21/2002	2358	15	0.9650	1.5683	1.4747	0.4297	0	0.4136	0.1897	0.0961	0.0936
2/16/2002	3/3/2002	3/21/2002	2359	15	0.9721	1.4907	1.4693	0.4286	0	0.4126	0.1060	0.0846	0.0214
2/16/2002	3/3/2002	3/21/2002	2360	15	0.9639	1.6988	1.6216	0.4291	1	0.4115	0.3234	0.2462	0.0772
2/16/2002	3/3/2002	3/21/2002	2361	15	0.9710	6.895	4.1923	0.4267	0	0.4107	5.5133	2.8106	2.7027
2/16/2002	3/3/2002	3/21/2002	2362	15	0.9700	2.3319	2.0939	0.4228	0	0.4070	0.9549	0.7169	0.2380
2/16/2002	3/3/2002	3/21/2002	2363	15	0.9682	21.535	6.1763	0.4315	0	0.4154	20.1514	4.7927	15.3587
2/16/2002	3/3/2002	3/21/2002	2364	15	0.9676	4.1098	3.3943	0.4275	0	0.4115	2.7307	2.0152	0.7155
3/3/2002	3/24/2002	4/25/2002	2653	21	0.9979	3.7514	3.3861	0.4316	2	0.4124	2.3411	1.9758	0.3653
3/3/2002	3/24/2002	4/25/2002	2654	21	1.0028	2.8184	2.5974	0.4309	1	0.4133	1.4023	1.1813	0.2210
3/3/2002	3/24/2002	4/25/2002	2655	21	1.0059	4.3576	3.9196	0.4327	0	0.4165	2.9352	2.4972	0.4380
3/3/2002	3/24/2002	4/25/2002	2656	21	1.0051	2.3711	2.223	0.4387	1	0.4208	0.9452	0.7971	0.1481
3/3/2002	3/24/2002	4/25/2002	2657	21	1.0000	2.7231	2.4034	0.4314	1	0.4138	1.3093	0.9896	0.3197
3/3/2002	3/24/2002	4/25/2002	2658	21	0.9979	2.8984	2.3681	0.431	1	0.4134	1.4871	0.9568	0.5303
3/3/2002	3/24/2002	4/25/2002	2659	21	0.9970	2.5523	2.3094	0.428	1	0.4105	1.1448	0.9019	0.2429
3/3/2002	3/24/2002	4/25/2002	2660	21	0.9984	1.9463	1.816	0.4311	1	0.4135	0.5344	0.4041	0.1303
3/3/2002	3/24/2002	4/25/2002	2661	21	0.9992	5.3795	4.501	0.4318	0	0.4157	3.9646	3.0861	0.8785
3/3/2002	3/24/2002	4/25/2002	2662	21	0.9967	5.4755	4.574	0.4259	0	0.4100	4.0688	3.1673	0.9015
3/3/2002	3/24/2002	4/25/2002	2663	21	0.9926	8.4255	6.944	0.4283	0	0.4123	7.0206	5.5391	1.4815
3/3/2002	3/24/2002	4/25/2002	2664	21	0.9935	8.4482	7.0629	0.4275	0	0.4115	7.0432	5.6579	1.3853
3/24/2002	4/26/2002	5/2/2002	2641	33	0.9927	3.346	2.9691	0.4293	1	0.4117	1.9416	1.5647	0.3769
3/24/2002	4/26/2002	5/2/2002	2642	33	0.9873	6.9271	5.9262	0.4269	2	0.4079	5.5319	4.5310	1.0009
3/24/2002	4/26/2002	5/2/2002	2643	33	0.9898	5.8825	4.9382	0.4324	1	0.4147	4.4780	3.5337	0.9443
3/24/2002	4/26/2002	5/2/2002	2644	33	0.9893	4.5874	3.9208	0.4328	2	0.4136	3.1845	2.5179	0.6666
3/24/2002	4/26/2002	5/2/2002	2645	33	0.9933	1.8104	1.6708	0.4333	1	0.4156	0.4015	0.2619	0.1396
3/24/2002	4/26/2002	5/2/2002	2646	33	0.9829	1.9225	1.7189	0.4339	0	0.4177	0.5219	0.3183	0.2036
3/24/2002	4/26/2002	5/2/2002	2647	33	0.9812	1.7715	1.6446	0.4313	1	0.4137	0.3766	0.2497	0.1269
3/24/2002	4/26/2002	5/2/2002	2648	33	0.9824	1.7807	1.6563	0.4297	0	0.4136	0.3847	0.2603	0.1244
3/24/2002	4/26/2002	5/2/2002	2649	33	0.9938	3.3874	2.9041	0.4325	0	0.4163	1.9773	1.4940	0.4833
3/24/2002	4/26/2002	5/2/2002	2650	33	0.9912	3.1495	2.7112	0.434	1	0.4163	1.7420	1.3037	0.4383
3/24/2002	4/26/2002	5/2/2002	2651	33	0.9902	6.1294	5.0756	0.4344	0	0.4182	4.7210	3.6672	1.0538
3/24/2002	4/26/2002	5/2/2002	2652	33	0.9834	5.6452	4.7671	0.4288	0	0.4128	4.2490	3.3709	0.8781
4/26/2002	5/30/2002	6/5/2002	2797	34	0.9562	2.6592	2.3832	0.4233	0	0.4075	1.2955	1.0195	0.2760
4/26/2002	5/30/2002	6/5/2002	2798	34	0.9512	3.2547	2.9057	0.4259	0	0.4100	1.8935	1.5445	0.3490
4/26/2002	5/30/2002	6/5/2002	2799	34	0.9515	1.7478	1.5726	0.4236	2	0.4047	0.3916	0.2164	0.1752
4/26/2002	5/30/2002	6/5/2002	2800	34	0.9487	1.6998	1.5776	0.4232	2	0.4043	0.3468	0.2246	0.1222

Table B2: Sediment trap data

Site 432													
Date Deployed	Date Collected	Date Processed	Filter #	# Days	Pan Wt (g)	Dry Wt (g)	Ashed Wt (g)	Ashed Filter (g)	FLC	New Filter (g)	Dry Sed (g)	Mineral Sed (g)	Org Sed (g)
4/26/2002	5/30/2002	6/5/2002	2801	34	0.9501	1.4703	1.4261	0.4294	0	0.4133	0.1069	0.0627	0.0442
4/26/2002	5/30/2002	6/5/2002	2802	34	0.9463	1.5091	1.4355	0.4226	0	0.4068	0.1560	0.0824	0.0736
4/26/2002	5/30/2002	6/5/2002	2803	34	0.9486	1.5299	1.4734	0.4232	0	0.4074	0.1739	0.1174	0.0565
4/26/2002	5/30/2002	6/5/2002	2804	34	0.9502	1.6092	1.5136	0.423	0	0.4072	0.2518	0.1562	0.0956
4/26/2002	5/30/2002	6/5/2002	2805	34	0.9498	3.1915	2.7925	0.4225	0	0.4067	1.8350	1.4360	0.3990
4/26/2002	5/30/2002	6/5/2002	2806	34	0.9492	2.4243	2.1626	0.4247	0	0.4088	1.0663	0.8046	0.2617
4/26/2002	5/30/2002	6/5/2002	2807	34	0.9499	5.6727	4.7508	0.4246	0	0.4087	4.3141	3.3922	0.9219
4/26/2002	5/30/2002	6/5/2002	2808	34	0.9535	6.6988	5.5411	0.4217	0	0.4059	5.3394	4.1817	1.1577
5/30/2002	7/12/2002	7/15/2002	2953	43	0.9782	4.5952	3.8711	0.4291	0	0.4131	3.2039	2.4798	0.7241
5/30/2002	7/12/2002	7/15/2002	2954	43	0.9816	9.0014	7.7207	0.4279	0	0.4119	7.6079	6.3272	1.2807
5/30/2002	7/12/2002	7/15/2002	2955	43	0.9771	1.8905	1.6657	0.427	0	0.4110	0.5024	0.2776	0.2248
5/30/2002	7/12/2002	7/15/2002	2956	43	0.9750	2.2849	1.9693	0.4266	0	0.4106	0.8993	0.5837	0.3156
5/30/2002	7/12/2002	7/15/2002	2957	43	0.9754	1.7196	1.5646	0.4246	0	0.4087	0.3355	0.1805	0.1550
5/30/2002	7/12/2002	7/15/2002	2958	43	0.9798	1.7001	1.4955	0.4302	0	0.4141	0.3062	0.1016	0.2046
5/30/2002	7/12/2002	7/15/2002	2959	43	0.9811	2.1486	1.7892	0.427	0	0.4110	0.7565	0.3971	0.3594
5/30/2002	7/12/2002	7/15/2002	2960	43	0.9834	2.1766	1.8227	0.4253	0	0.4094	0.7838	0.4299	0.3539
5/30/2002	7/12/2002	7/15/2002	2961	43	0.9754	5.0156	4.092	0.4258	2	0.4069	3.6333	2.7097	0.9236
5/30/2002	7/12/2002	7/15/2002	2962	43	0.9780	3.4158	2.8353	0.4292	0	0.4131	2.0247	1.4442	0.5805
5/30/2002	7/12/2002	7/15/2002	2963	43	0.9763	2.2547	1.9963	0.4276	2	0.4086	0.8698	0.6114	0.2584
5/30/2002	7/12/2002	7/15/2002	2964	43	0.9839	2.1339	1.853	0.4266	2	0.4076	0.7424	0.4615	0.2809
7/12/2002	8/12/2002	8/16/2002	3100	31	0.9736	1.9243	1.7729	0.4265	1	0.4090	0.5417	0.3903	0.1514
7/12/2002	8/12/2002	8/16/2002	3101	31	0.9778	3.5036	2.9433	0.4314	0	0.4153	2.1105	1.5502	0.5603
7/12/2002	8/12/2002	8/16/2002	3102	31	0.9779	1.6656	1.5519	0.4327	0	0.4165	0.2712	0.1575	0.1137
7/12/2002	8/12/2002	8/16/2002	3103	31	0.9769	1.6966	1.5272	0.4281	0	0.4121	0.3076	0.1382	0.1694
7/12/2002	8/12/2002	8/16/2002	3097	31	0.9722	1.4596	1.3994	0.4265	0	0.4105	0.0769	0.0167	0.0602
7/12/2002	8/12/2002	8/16/2002	3098	31	0.9745	1.5902	1.4454	0.4318	2	0.4126	0.2031	0.0583	0.1448
7/12/2002	8/12/2002	8/16/2002	3099	31	0.9750	1.543	1.4271	0.4316	0	0.4155	0.1525	0.0366	0.1159
7/12/2002	8/12/2002	8/16/2002	3104	31	0.9756	1.5065	1.4258	0.4266	2	0.4076	0.1233	0.0426	0.0807
7/12/2002	8/12/2002	8/16/2002	3105	31	0.9742	4.1198	3.5046	0.4301	0	0.4140	2.7316	2.1164	0.6152
7/12/2002	8/12/2002	8/16/2002	3106	31	0.9758	3.0725	2.6717	0.4312	0	0.4151	1.6816	1.2808	0.4008
7/12/2002	8/12/2002	8/16/2002	3107	31	0.9766	2.6145	2.2971	0.4335	0	0.4173	1.2206	0.9032	0.3174
7/12/2002	8/12/2002	8/16/2002	3108	31	0.9767	3.304	2.8608	0.4281	2	0.4091	1.9182	1.4750	0.4432

Table B3: Bulk Density Data

	Site: 401			collected: 7/15/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.1573	46.5104	5.3836	50	0.1077	0.1173	0.9643	3.7824	2.8181	47.6539862
	13.081	43.0997	6.346	50	0.1269		0.9639	4.5595	3.5956	43.340687
Middle	13.082	48.1629	6.8113	50	0.1362	0.1224	0.9682	4.9492	3.981	41.5530075
	13.0912	44.8715	5.4318	50	0.1086		0.9637	3.5823	2.6186	51.7913031
Back	13.0572	46.1285	6.0673	47.5	0.1277	0.1103	0.9581	4.7463	3.7882	37.5636609
	13.0906	43.4297	4.6395	50	0.0928		0.9641	3.0989	2.1348	53.986421
					AVERAGE	**0.1167**			AVERAGE	**45.9815**

	Site: 402			collected: 7/16/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.394	34.5344	4.6166	40	0.1154	0.1089	0.9634	3.2053	2.2419	51.4382879
	13.9048	36.9506	4.3521	40	0.1024		0.9627	2.9463	1.9836	54.4220032
Middle	13.473	39.9944	2.2692	40	0.0567	0.0617	0.965	1.7418	0.7768	65.7676714
	13.9226	48.1532	3.3369	50	0.0667		0.9621	2.0092	1.0471	68.620576
Back	13.3959	44.2259	3.3879	45	0.0753	0.0720	0.9623	2.3388	1.3765	59.3701113
	13.4738	35.1085	2.5797	37.5	0.0688		0.9615	1.6913	0.7298	71.7098887
					AVERAGE	**0.0809**			AVERAGE	**61.8881**

	Site: 403			collected: 7/15/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.3386	50.7067	7.9832	50	0.1597	0.1228	0.9618	6.2159	5.2541	34.1855396
	13.8154	42.84	4.2991	50	0.0860		0.9619	2.6757	1.7138	60.1358424
Middle	13.7141	44.9825	5.4382	50	0.1088	0.1140	0.9637	4.053	3.0893	43.1926005
	13.8808	46.4904	5.9589	50	0.1192		0.9643	4.5335	3.5692	40.1030392
Back	13.479	46.7086	4.3551	50	0.0871	0.0949	0.9627	3.2729	2.3102	46.9541457
	13.8056	47.6673	4.8793	47.5	0.1027		0.964	3.4122	2.4482	49.8247699
					AVERAGE	**0.1106**			AVERAGE	**45.7327**

	Site: 404			collected: 7/15/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.8151	42.8703	3.9873		0.0886	0.0937	0.9615	2.8924	1.9309	51.5737466
	13.4111	45.4874	4.691		0.0988		0.9635	3.0943	2.1308	54.5768493
Middle	13.4192	43.6464	4.5573		0.0959	0.0975	0.9626	2.4353	1.4727	67.6848134
	13.2335	52.7404	4.9544		0.0991		0.9597	3.1542	2.1945	55.7060391
Back	13.3826	42.2817	4.6753		0.1100	0.1042	0.9605	3.4145	2.454	47.5113896
	13.9676	39.0347	4.1845		0.0985		0.9599	3.1875	2.2276	46.7654439
					AVERAGE	**0.0985**			AVERAGE	**53.9697**

Table B3: Bulk Density Data

	Site: 406			collected: 9/14/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.0383	43.2216	4.8683	50	0.0974	0.1244	0.977	2.605	1.628	66.5591685
	13.192	41.7533	7.5731	50	0.1515		0.9758	5.3582	4.3824	42.1320199
Middle	13.1411	44.8087	3.3917	50	0.0678	0.0768	0.9771	1.8324	0.8553	74.7825574
	13.0603	38.9244	3.8601	45	0.0858		0.975	2.0103	1.0353	73.1794513
Back	13.0672	39.3667	2.6065	40.5	0.0644	0.0692	0.9752	1.4885	0.5133	80.306925
	13.0376	45.7573	3.7	50	0.0740		0.9761	1.8799	0.9038	75.572973
					AVERAGE	**0.0901**			AVERAGE	**68.7555**

	Site: 407			collected: 7/16/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.8818	40.9807	5.1459	42.5	0.1211	0.1011	0.963	4.2934	3.3304	35.2805146
	13.8197	46.5449	4.0517	50	0.0810		0.9609	2.5754	1.6145	60.1525286
Middle	14.0089	42.9609	2.3614	42.5	0.0556	0.0506	0.965	1.8765	0.9115	61.4000169
	13.3558	39.7278	1.8225	40	0.0456		0.9678	1.4025	0.4347	76.1481481
Back	13.8099	45.6683	2.6418	45	0.0587	0.0984	0.9675	2.0049	1.0374	60.7313196
	13.8426	37.5252	5.5239	40	0.1381		0.9627	4.8779	3.9152	29.1225402
					AVERAGE	**0.0833**			AVERAGE	**53.8058**

	Site: 408			collected: 7/12/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.1139	50.7539	12.9913	45	0.2887	0.3174	0.9698	11.3619	10.3921	20.0072356
	13.0839	51.0957	15.5765	45	0.3461		0.9694	13.8534	12.884	17.2856547
Middle	13.1848	47.6818	6.4118	50	0.1282	0.1523	0.9704	5.2271	4.2567	33.6114664
	13.0536	38.9849	7.0557	40	0.1764		0.968	5.3946	4.4266	37.2620718
Back	13.0916	40.6135	5.9178	40	0.1479	0.1429	0.9663	4.6516	3.6853	37.7251681
	13.0525	51.602	6.8928	50	0.1379		0.9651	5.362	4.3969	36.2102484
					AVERAGE	**0.2042**			AVERAGE	**30.3503**

	Site: 409			collected: 5/31/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	10.8925	37.0193	7.8388	35	0.2240	0.2328	0.9823	7.015	6.0327	23.0405164
	10.9108	37.5928	7.8869	40	0.1972		0.9884	6.8067	5.8183	26.2283026
Middle	10.4022	49.7364	13.2504	47.5	0.2790	0.1535	0.9848	11.8921	10.9073	17.6832398
	10.4803	33.642	6.5331	35	0.1867		0.9844	4.9122	3.9278	39.878465
Back	10.6369	31.1011	3.4557	43.5	0.0794	0.0794	0.984	2.8085	1.8245	47.2031716
	10.4545	54.9298	11.3747	50	0.2275		0.9807	4.5675	3.5868	68.4668607
					AVERAGE	**0.1552**			AVERAGE	**40.9635**

Table B3: Bulk Density Data

	Site: 412			collected: 8/9/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.0884	43.3374	4.2841	50	0.0857	0.0822	0.9774	3.0095	2.0321	52.5664667
	13.0873	56.0919	3.9355	50	0.0787		0.9759	2.7136	1.7377	55.8455088
Middle	13.0471	37.8896	3.8168	50	0.0763	0.0829	0.9758	2.7762	1.8004	52.8295955
	13.0976	31.0412	3.1306	35	0.0894		0.9775	2.975	1.9975	36.1943397
Back	13.0815	39.5714	3.7699	45	0.0838	0.0913	0.9746	2.5816	1.607	57.3728746
	13.0874	46.9349	4.9401	50	0.0988		0.9758	3.5166	2.5408	48.5678428
					AVERAGE	**0.0855**			AVERAGE	**50.5628**

	Site: 413			collected: 7/15/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.8102	28.1185	2.1744	32.5	0.0669	0.0699	0.9606	1.644	0.6834	68.5706402
	13.8375	39.9976	3.2785	45	0.0729		0.9594	2.0171	1.0577	67.738295
Middle	13.5548	39.2665	2.6241	42.5	0.0617	0.0651	0.9628	1.7491	0.7863	70.0354407
	13.2489	43.0115	3.0814	45	0.0685		0.9607	1.889	0.9283	69.8740832
Back	13.4215	35.0632	2.1027	35	0.0601	0.0672	0.958	1.6187	0.6607	68.5784943
	13.2981	28.0693	2.0415	27.5	0.0742		0.9632	1.3463	0.3831	81.2343865
					AVERAGE	**0.0674**			AVERAGE	**71.0052**

	Site: 418			collected: 7/12/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.4559	49.1163	7.2692	50	0.1454	0.1575	0.9729	5.2796	4.3067	40.7541408
	13.694	46.7314	7.6308	45	0.1696		0.9685	5.3029	4.3344	43.1986161
Middle	13.7664	49.0599	7.1434	47.5	0.1504	0.1538	0.9711	5.7608	4.7897	32.9492959
	13.2732	47.0831	7.0718	45	0.1572		0.971	5.539	4.568	35.405413
Back	13.9416	43.2234	5.5566	40	0.1389	0.1055	0.9721	3.9566	2.9845	46.2890976
	13.3144	41.6591	3.0605	42.5	0.0720		0.973	2.3478	1.3748	55.0792354
					AVERAGE	**0.1389**			AVERAGE	**42.2793**

	Site: 419			collected: 5/30/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	10.337	39.5837	8.2634	50	0.1653	0.1753	0.9846	4.6691	3.6845	55.411816
	10.5108	44.4056	9.2691	50	0.1854		0.9868	5.6148	4.628	50.0706649
Middle	10.4715	43.0643	3.9442	45	0.0876	0.1013	0.9861	2.6884	1.7023	56.8404239
	11.0159	47.0505	5.7444	50	0.1149		0.9873	3.6922	2.7049	52.9124016
Back	11.0256	43.3586	3.7353	43.5	0.0859	0.0890	0.9887	2.6642	1.6755	55.1441651
	10.4722	41.4684	4.3784	47.5	0.0922		0.9865	2.7343	1.7478	60.0813082
					AVERAGE	**0.1219**			AVERAGE	**55.0768**

Table B3: Bulk Density Data

	Site: 422			collected: 8/9/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	13.0845	48.7331	7.4675	50	0.1494	0.1445	0.9789	5.4536	4.4747	40.0776699
	13.0952	48.0688	6.981	50	0.1396		0.9744	5.1587	4.1843	40.0615958
Middle	13.1302	46.9732	3.9615	50	0.0792	0.0863	0.9763	2.7422	1.7659	55.4234507
	13.187	41.826	4.6705	50	0.0934		0.9812	3.3583	2.3771	49.1039503
Back	13.1425	31.8823	3.9701	35	0.1134	0.1015	0.9796	2.935	1.9554	50.7468326
	13.1638	47.3158	4.4753	50	0.0895		0.9772	2.8477	1.8705	58.2039193
					AVERAGE	**0.1108**			AVERAGE	**48.9362**

	Site: 432			collected: 5/30/02						
Cages	**Vial wt (g)**	**Wet Wt (g)**	**Dry Wt (g)**	**Volume (cm3)**	**Density (g/cm3)**	**Avg. Density (g/cm3)**	**pan wt. (g)**	**ashed wt (g)**	**ashed sed (g)**	**% org**
Front	10.3726	40.6033	10.8949	45	0.2421	0.2273	0.9851	9.7968	8.8117	19.1208731
	10.4724	35.8782	7.967	37.5	0.2125		0.9888	7.4024	6.4136	19.497929
Middle	10.8506	40.9128	8.1511	45	0.1811	0.1980	0.9794	7.089	6.1096	25.0456994
	10.3939	38.3306	8.0559	37.5	0.2148		0.993	6.916	5.923	26.4762472
Back	10.9339	38.2926	4.5875	50	0.0918	0.0863	0.9812	4.071	3.0898	32.6474114
	10.5387	41.4727	4.0455	50	0.0809		0.9913	4.2824	3.2911	18.6478804
					AVERAGE	**0.1705**			AVERAGE	**23.5727**

Table B4: Feldspar data

Site	401	402	404	406	407	412	413	418	419
Start	1/24/2001	4/27/2001	01/23/2001	01/23/2001	01/23/2001	1/25/2001	4/27/2001	4/12/2001	4/12/2001
end	1/22/2002	6/11/2002	01/22/2002	01/22/2002	01/22/2002	1/22/2002	6/11/2002	7/12/2002	8/31/2002
days	363	410	364	364	364	362	410	456	506
Core 1(mm)	34.65	120.5	22.1	5.3	6.35	0.96	3	35	119.5
	34.2	119.4	25.1	7.3	6.5	0.69	2.8	39	91.6
		141.3			5.8		4.5	34	102.8
		131.6			4		2.8	31	105.7
Avg 1	**34.425**	**128.2**	**23.6**	**6.3**	**5.6625**	**0.825**	**3.275**	**34.75**	**104.9**
Core 2 (mm)	71.5	69.9	16.05	14	12.25	13	12.6	33	
	55.85	62.9	34.1	9.75	10.5	10.5	13.1	20	
	51.5	75		7.2	12	10.3	13	25	
	76.32			5	15	10.9	10.9	18	
Avg 2	**63.7925**	**69.26667**	**25.075**	**8.9875**	**12.4375**	**11.175**	**12.4**	**24**	
Core 3 (mm)	88		10.6	34.8		15		3	
	93.5		15.25	27.4		17.4		7	
			12.6	27.2				20	
			14.8	27.5					
Avg 3	**90.75**		**13.3125**	**29.225**		**16.2**		**10**	
Core 4 (mm)								3	
								3	
								5	
								13	
Avg 4								**6**	
AVERAGE	**62.98917**	**98.73333**	**20.6625**	**14.8375**	**9.05**	**9.4**	**7.8375**	**18.6875**	**104.9**
AVG(cm)	6.298917	9.873333	2.06625	1.48375	0.905	0.94	0.78375	1.86875	10.49
ANNUAL (cm)	6.333621	8.789675	2.07192651	1.48782624	0.9074863	0.94779	0.697729	1.49582	7.566897

Table B5: Vertical marsh movement data

5.45 km = 407,412,401,422,and 432
8.92 km = 402, 413, 404, 409, 403 and 419
16.4 km = 418, 406 and 408

pos. = up, neg. = down

date	Site	Level (cm)	Reset	Movement	Reset	total	Comments
2/16/2002	432	99.5		0			
3/24/2002	432	103	106.5	-3.5	-3.5	-7	
4/26/2002	432	102	104.5	4.5	-2.5	2	
5/30/2002	432	103.5	103.5	1	0	1	
7/12/2002	432	102	102	1.5	0	1.5	
8/12/2002	432	102.5	102.5	-0.5	0	-0.5	
2/16/2002	419	94.5		0			
3/24/2002	419	91.5	94.5	3	-3	0	
4/26/2002	419	91	96	3.5	-5	-1.5	
5/30/2002	419	93.5	93.5	2.5	0	2.5	
7/12/2002	419	92	93	1.5	-1	0.5	
2/16/2002	409	68		0			
3/24/2002	409	63.5	67.5	4.5	-4	0.5	
4/26/2002	409	63.5	68	4	-4.5	-0.5	
5/31/2002	409	62.5	67	5.5	-4.5	1	lid floating on H2O b/f reset
7/12/2002	409	65	65	2	0	2	
8/13/2002	409	63	68	2	-5	-3	
2/16/2002	418	54.5		0			
3/24/2002	418	52.5	54	2	-1.5	0.5	
4/26/2002	418	50	54.5	4	-4.5	-0.5	
5/31/2002	418	54	54	0.5	0	0.5	
7/12/2002	418	52	54	2	-2	0	
8/13/2002	418	50	55	4	-5	-1	
2/16/2002	408	55.5		0			
3/24/2002	408	51	56	4.5	-5	-0.5	
4/26/2002	408	53.5	57.5	2.5	-4	-1.5	
5/31/2002	408	56	58	1.5	-2	-0.5	
7/12/2002	408	54	57.5	4	-3.5	0.5	lid was up on roots/veg.
8/13/2002	408	53	56.5	4.5	-3.5	1	
2/18/2002	402	103.5		0			
3/25/2002	402	101	103.5	2.5	-2.5	0	
5/8/2002	402	98	107	5.5	-9	-3.5	
6/12/2002	402	101	101	6	0	6	
7/16/2002	402	105.5	106	-4.5	-0.5	-5	
8/9/2002	402	106	106	0	0	0	
2/18/2002	407	122.5		0			
3/25/2002	407	120.5	122.5	2	-2	0	
5/8/2002	407	117	123.5	5.5	-6.5	-1	
6/12/2002	407	128	128	-4.5	0	-4.5	

Table B5: Vertical marsh movement data

7/16/2002	407	121.5	121.5	6.5	0	6.5	
8/9/2002	407	121	121	0.5	0	0.5	
2/18/2002	422	121		0			
3/25/2002	422	117	121	4	-4	0	
5/7/2002	422	117	126	4	-9	-5	
6/11/2001	422	112	112	14	0	14	
7/16/2002	422	114	118.5	-2	-4.5	-6.5	
8/9/2002	422	117	117	1.5	0	1.5	
2/18/2002	412	78		0			
3/25/2002	412	71.5	79	6.5	-7.5	-1	
5/8/2002	412	75	84	4	-9	-5	
6/12/2002	412	61	61	23	0	23	mat rippled under airboat
7/16/2002	412	70.5	77	-9.5	-6.5	-16	
8/9/2002	412	76	76	1	0	1	
2/18/2002	413	69.5		0			
3/25/2003	413	69.5	69.5	0	0	0	
5/7/2002	413	62	74.5	7.5	-12.5	-5	
6/11/2002	413	63	63	11.5	0	11.5	can feel marsh movement
7/15/2002	413	52	56.5	11	-4.5	6.5	
8/8/2002	413	62	62	-5.5	0	-5.5	
2/18/2002	403	55		0			
3/26/2002	403	54	55	1	-1	0	
5/7/2002	403	53	58.5	2	-5.5	-3.5	
6/12/2002	403	42	42	16.5	0	16.5	can feel marsh movement
7/15/2002	403	41.5	51	0.5	-9.5	-9	
8/8/2002	403	48	48	3	0	3	
2/19/2002	406	54		0			
3/25/2002	406	54	55	0	-1	-1	
5/7/2002	406	49.5	57	5.5	-7.5	-2	
6/11/2002	406	55.5	55.5	1.5	0	1.5	
7/16/2002	406	56	56	-0.5	0	-0.5	
8/8/2002	406	55.5	55.5	0.5	0	0.5	
2/19/2002	404	39.5		0			
5/7/2002	404	56	61	-16.5	-5	-21.5	
6/12/2002	404	43.5	43.5	17.5	0	17.5	can feel marsh movement
7/15/2002	404	40	51	3.5	-11	-7.5	
8/9/2002	404	42	52	9	-10	-1	
2/19/2002	401	74		0			
2/26/2002	401	62.5	74	11.5	-11.5	0	
5/8/2002	401	50.5	78.5	23.5	-28	-4.5	
6/12/2002	401	61	61	17.5	0	17.5	can feel marsh movement
7/15/2002	401	63.5	72	-2.5	-8.5	-11	
8/9/2002	401	69	69	3	0	3	

Table B6: Elevation data

	Marsh Elevations (ft)										
Cage	**422**	**413**	**412**	**418**	**408**	**419**	**403**	**404**	**401**	**402**	**432**
1	1.06	1.19	1.06	1.1	0.87	1.95	1.41	1.44	1.38	1.3	1.35
2	1.09	1.02	1.14	1.36	0.88	1.87	1.35			1.3	1.16
3	1.16	1.2	0.97	0.68	0.76	1.48	1.42	1.53	1.29	1.09	1.29
4	1.34	1.27	1.19	0.81	0.75	1.45	1.28			1.1	1.35
5	1.36	1.17	1.36	0.75	0.69	1.46	1.43	1.28	1.2	0.96	0.75
6	1.25	1.26	1.29	0.67	0.42	1.56	1.38			0.82	0.79
Avg Elev	***1.21***	***1.19***	***1.17***	***0.90***	***0.73***	***1.63***	***1.38***	***1.42***	***1.29***	***1.10***	***1.12***
Level Elev	6.44	5.74	6.18	5.56	5.43	6.15	6.13	6.14	6.15	5.91	5.77

APPENDIX C: SUPPLEMENTAL ANALYSIS

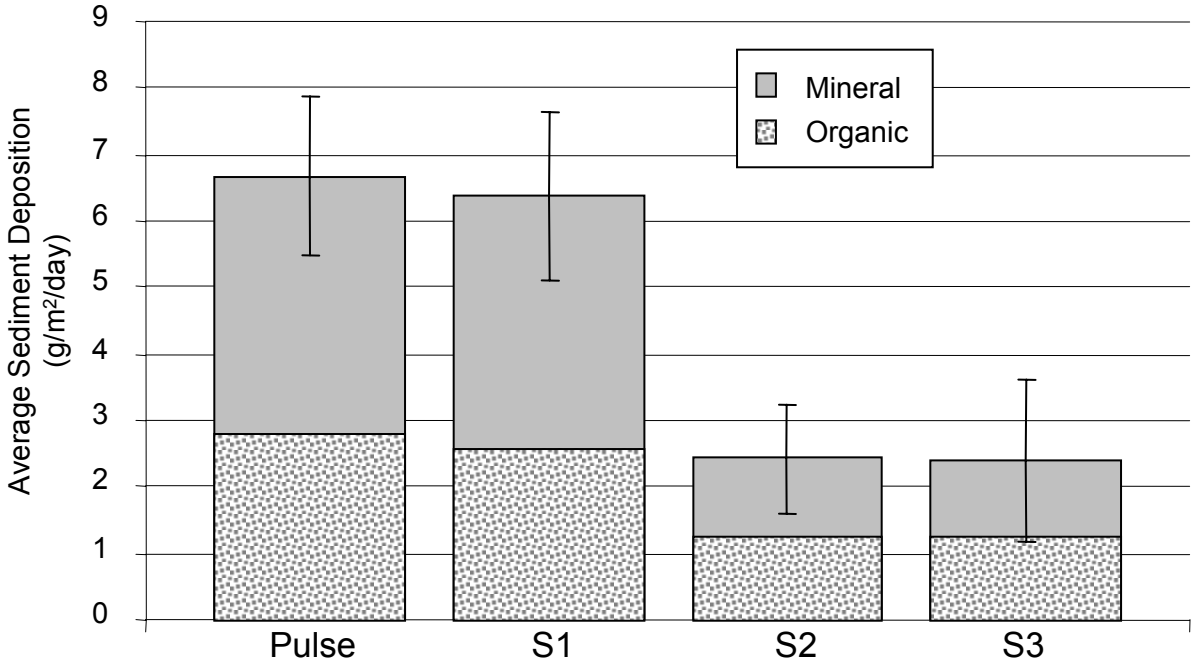

Figure C1: Average sediment deposition by season are compared to the 3 fluvial pulses. S1 = Frontal season (December to March minus pulsing periods), S2 = Dry season (April to July), S3 = Wet season (August to November).

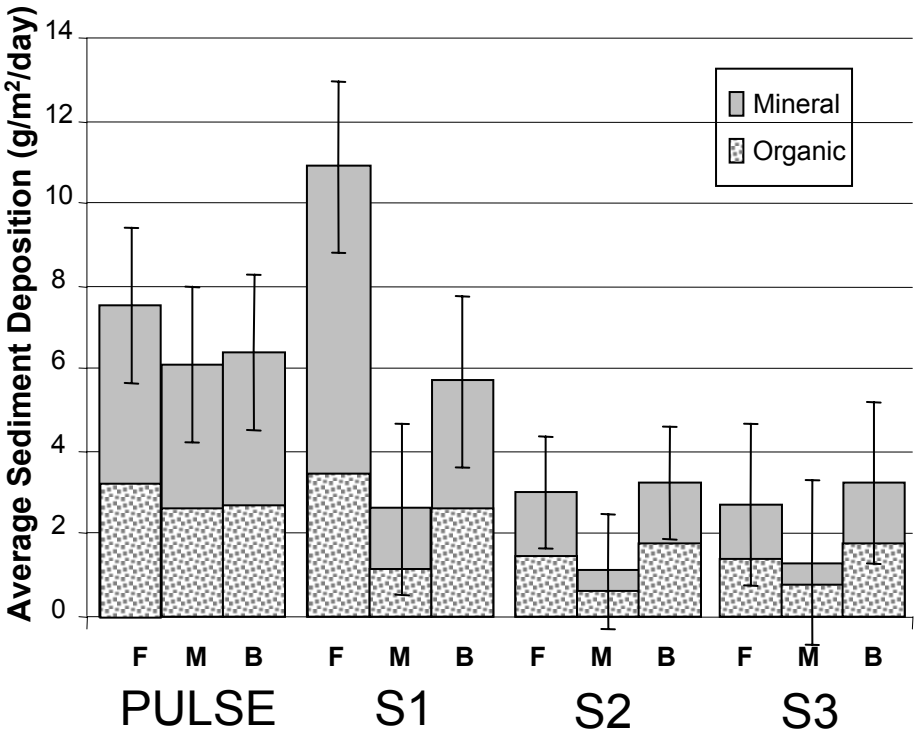

Figure C2: A temporal comparison of habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition patterns across seasons and pulsing periods (pulse = pulse periods >183 m^3/s), S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) is given.

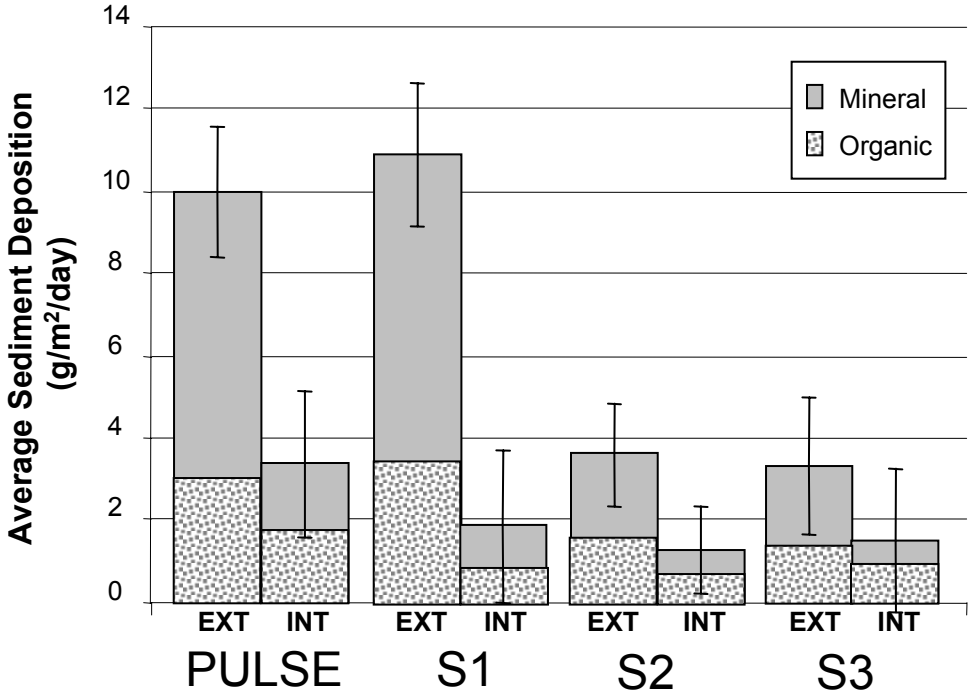

Figure C3: A temporal comparison of interior and exterior marsh sediment deposition patterns across seasons and pulsing periods (pulse = pulse periods >183 m3/s), S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) show a significant increase in exterior deposition during pulsing and frontal seasons.

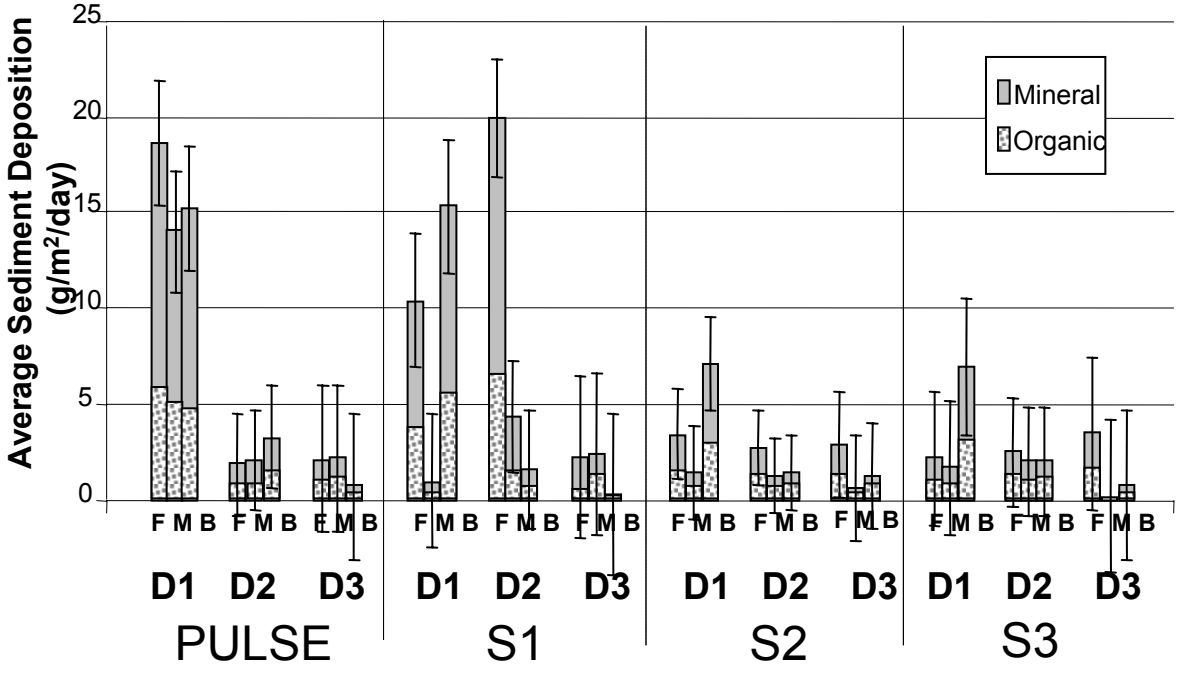

Figure C4: Variations in habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition with increased distance from the diversion (D1 < 6m, 6m ≤ D2 ≤ 10m, D3 > 10m) compared among seasons and fluvial pulses (pulse = pulse periods >183 m^3/s), S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) are shown across space and time.

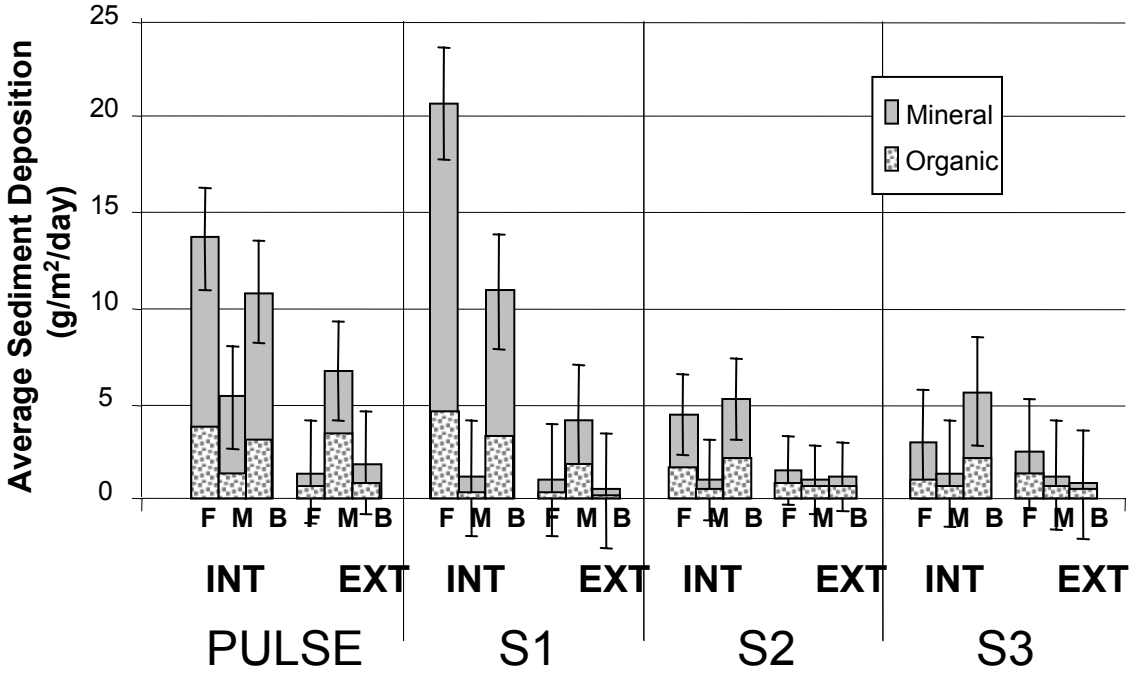

Figure C5: Variations in habitat (F=front marsh, M = middle marsh, and B = back marsh) sediment deposition between interior and exterior marsh sites compared among seasons and fluvial pulses (pulse = pulse periods >183 m3/s, S1 = Frontal season (December – March, less pulses), S2 = Dry season (April – July), S3 = Wet season (August – November)) are shown across space and time.

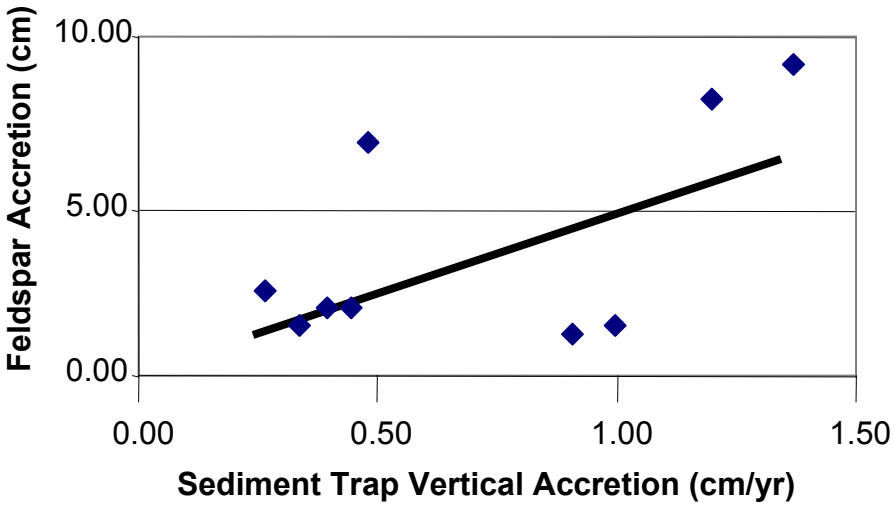

Figure C6: The relationship between sediment trap derived vertical accretion and feldspar accretion explains 35.14% of the variation.

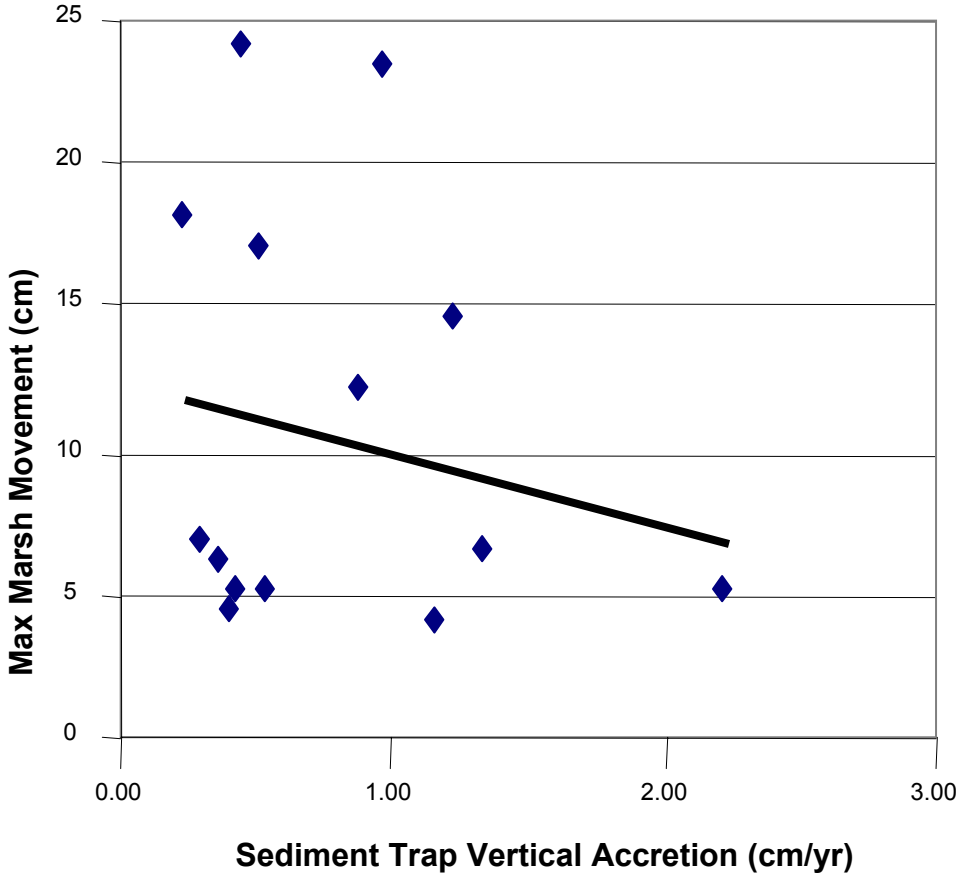

Figure C7: The relationship between maximum marsh mat movement and sediment trap derived vertical accretion explains only 3.48% of the variation.

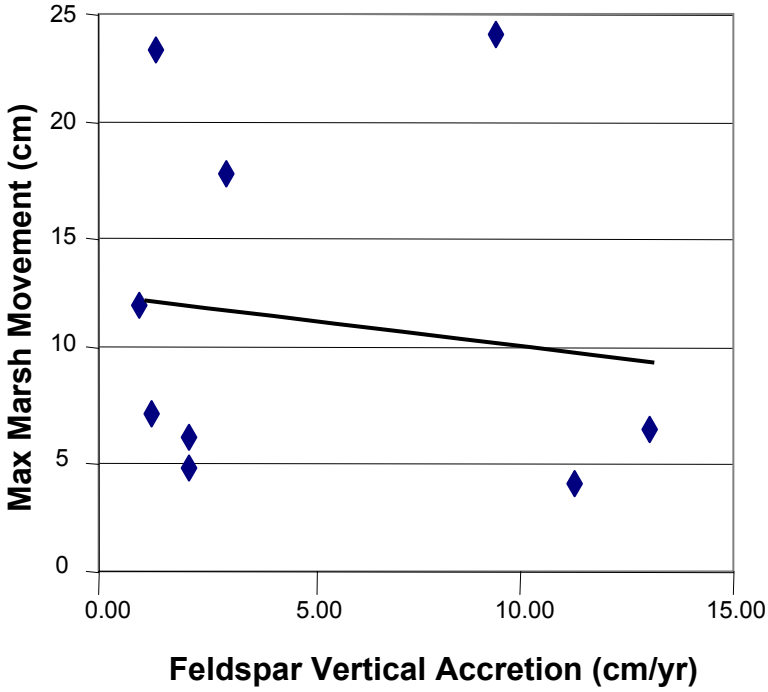

Figure C8: The relationship between maximum marsh mat movement and feldspar vertical accretion explains only 1.52% of the variation.

VITA

Katherine V. Wheelock was born in Westerly, Rhode Island, on July 16, 1974. She graduated from South Kingstown High School in South Kingstown, Rhode Island, in June of 1992. She completed a Bachelor of Science degree in Ocean Engineering at the University of Rhode Island in December of 1997. She has worked as a divemaster in Honduras, a salesperson in Pennsylvania, and an ocean engineer in Washington, DC. From January 2001 through August 2002, Katherine worked as a graduate student in Louisiana State University's Department of Oceanography and Coastal Sciences where she is a candidate for the degree of Master of Science. She currently works for the National Oceanic and Atmospheric Administration's Damage Assessment Center.